

LSAMP Magazine

Louis Stokes Alliance for Minority Participation



Dr. Jerome Adams
US Surgeon General (pg 67)



Dr. Cody Pinkerman
Senior Systems Engineer (pg 206)



Dr. Cindy Figueroa
United Nations Panel Presenter (pg 17)



Dr. Kizzmekia Corbett
NIH Vaccine Research Center (pg 71)



Dr. Ian Her Many Horses
Software Developer (pg 165)



1000+ LSAMP
Innovators and Trailblazers -
Impacting the World

Innovators and Trailblazers



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Cover: Dr. Jerome Adams (University System of Maryland); Dr. Kizzmekia Colbert (University System of Maryland); Dr. Cody Pinkerman (Oklahoma); Dr. Cindy M. Figueroa (Puerto Rico) and Dr. Ian Her Many Horses (Colorado-Wyoming)

Note: This publication was compiled by Louis Dale and Carolyn Braswell from information provided by LSAMP Principal Investigators and printed by UAB Printing and Mailing Services.

“Any opinion, findings and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation”

Introduction

A request went out January 3, 2020, from Dr. Arthur James Hicks, National Science Foundation's (NSF) Project Director of the Louis Stokes Alliances for Minority Participation (LSAMP) Program, to LSAMP Principal Investigators across the country, for information on the academic and career successes of the funded LSAMP students in their alliances. He had envisioned publishing a magazine about LSAMP students who were currently experiencing or in the past experienced outstanding success in either or both their academic or professional careers. Those students would be characterized as "trailblazers" or "innovators" and their accomplishments would be featured in a magazine for nationwide distribution.



Dr. Arthur James Hicks

The request included the following: – "Note: the majority of the graduates, for this new document, **must have acquired the terminal degree (s), i.e., PhD/MD., etc.** Exceptions, however, must truly meet the highest standard impacting their career fields (i.e., inventors, engineers, explorers, etc.), or have demonstrated professional traits and habits befitting very high performers---"ones to watch." *Such exceptions should not exceed 2 or 3 in number*".

The coronavirus impacted the country in late January and many colleges and universities closed. However, this did not deter the LSAMP community from responding to the Director's request. Over 1,000 LSAMP students' names with their impressive accomplishments were received - **a thousand points of light for the LSAMP program and the nation** - the project director's vision became a reality with the publication of this magazine. To those who collaborated with us to share their LSAMP students' photos, academic and career accomplishments in the compiling of this magazine, many thanks! As never before, the LSAMP story is told!

Please enjoy reading this fascinating and inspiring publication that looks back and forward to the Louis Stokes Alliances for Minority Participation.

Please note that the alliances are listed in the publication in descending order according to the number of trailblazers/innovators, but the table of contents is listed in alphabetical order.

Note: This work was supported by NSF award #1747988: *Achieving Internal and External Dissemination with Effective Publications*

Puerto Rico-Louis Stokes Alliance for Minority Participation

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University of Puerto Rico Mayaguez; University of Puerto Rico Arecibo; University of Puerto Rico-Río Piedras; Pontifical Catholic University of Puerto Rico; University of Puerto Rico Cayey; University of Puerto Rico Humacao,; University of Puerto Rico Aguadilla; University of Puerto Rico Ponce and University of Puerto Rico Bayamón

Richard Rojas, Ph.D Materials Science

(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Humacao

PTD Engineer at INTEL Corporation, in
Hillsboro Oregon



Accomplishments: Dr.

Richard Rojas graduated from UPR-Humacao in May 2008 with a B. S. in Physics. He continued graduate studies, completing a M. S. in Materials Science in 2013, and a Ph. D. in Materials

Science in 2017 at the University of Wisconsin, Madison. He is an author in eight publications, and two patents. Currently, he is PTD Engineer at INTEL Corporation, in Hillsboro, Oregon.

Fernando Piñero Gonzalez, Ph.D. in Mathematics

(Puerto Rico) PR-LSAMP (University of Puerto Rico in Rio Piedras)

Tenure Track Assistant Professor at the
University of Puerto Rico in Ponce



Accomplishments:

Ph.D. in Mathematics from the Technical University of Denmark, co-PI of NSF-DMS REU 1852171: REU Site: Combinatorics, Probability, and Algebraic Coding Theory. Published articles on several high impact journals, including IEEE. Transactions on information theory and Designs, Codes and Cryptography.

Caleb Ruiz-Jiménez, Ph.D.

PR-LSAMP (University of Puerto Rico-Bayamon)
Biological Sciences-BIO

Post-Doctoral Fellow in the Cancer Research
Laboratory of the Center of Health Disparities &
Molecular Medicine at Loma Linda University,
California, USA



Accomplishments:

Recipient of several
fellowships/internships:
MBRS RISE student,
Internship in Cordoba,
Argentina and NIH
Postdoctoral Position; has
also received travel

awards to present at international and national
meetings; also has published more than five
publications in well recognized journals (e.g.,
Journal of clinical microbiology) with more to
come.

Ramón Gómez Moreno, Ph.D., PRCL

PR-LSAMP (University of Puerto Rico at
Bayamon) Biological Sciences-BIO

Currently a consultant scientist in the
biotechnology /pharmaceutical sector (Amgen
Manufacturing Limited at Juncos, PR).



Accomplishments: He
developed a polymerase
chain reaction (PCR) method
used to detect and quantify
bacterial genes. Data appears
in the book: “New Weapons
to Control Bacterial Growth”

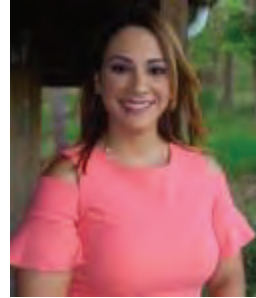
(2016). He was employed to developed nucleic
acid amplification test (NATs) and has received
several awards such as AAAS of Science Robert
I. Laurus Award.

María Inés De Jesús-Burgos, Ph.D.

PR-LSAMP (University of Puerto Rico at
Bayamon)

Biological Sciences-BIO

Associate professor at the University of Puerto
Rico, Cayey campus.



Accomplishments:

Research interests are
related to two different
research areas of
neuroscience: molecular
neuroscience and
environmental
neuroscience. She has
peer-reviewed

publications in neuroscience journals (e.g.,
Pharmacology, Biochemistry and Behavior 101,
Behavioral Brain Research).

Marcos A. Caraballo Ortiz, Ph.D.

PR-LSAMP (University of Puerto Rico at
Bayamon) Biological Sciences-BIO

Currently Postdoctoral Fellow (Phylogenomics),
and Research Associate at the Smithsonian,
Washington, DC (Botany).



Accomplishments: He
completed a PhD. at
Pennsylvania State
University where he
obtained the Alfred P. Sloan
Graduate Scholarship and a
Smithsonian Post-doctoral Fellowship.

Currently has 20 publications in scientific peer-
reviewed journals on botany, ecology, and
phylogenomics.

David E. Rivera-Aponte, Ph.D.

PR-LSAMP (University of Puerto Rico at Bayamon) Biological Sciences-BIO

Currently an Assistant Professor in the Biochemistry Department at Universidad Central del Caribe in Bayamon, Puerto Rico.



Accomplishments:

Recipient of several fellowships/internships: Specialized Neuroscience Research Program (SNRP);

RISE program; FORD pre doctoral fellow - Honorable Mention; FORD Dissertation fellows; SPINES program at Woods Whole Marine Biological Laboratory. Currently he has seven publications and obtained several grants: 1) NIGMS/INBRE P20 GM103475-15 (2019-2020), 2) Title V pilot grant (2017-2018) and 3) American Diabetes Association Innovative Basic Science Core Grant (2018-2021).

Michael J. Ortiz Torres, M.D.

PR-LSAMP (University of Puerto Rico at Bayamon) Biological Sciences- BIO

Currently a Neurosurgery Resident Physician, University of Missouri Columbia, Missouri, USA.



Accomplishments: He obtained his MD at UPR followed by a Neurosurgery Residency at University of Missouri. He has multiple peer-reviewed publications and given multiple poster and oral presentations at national/international conferences (CNS, AANS, AAN). Currently, Dr. Ortiz is interested in complex cranial neurosurgery and is applying to subspecialty fellowship.

Aníbal Valentín Acevedo, Ph.D., Assistant Professor of Microbiology and Immunology

Puerto Rico LSAMP (University of Puerto Rico in Aguadilla)

Coordinator of Immunology Program and Professor at Universidad Central del Caribe (UCC), Bayamón, PR. [BIO]



Accomplishments: PhD. degree in Immunology from Rutgers University in New Jersey, holds Certificate in Pharmaceutical and Clinical Trials Management; PR-INBRE Development Research Project Program , received award studying

the role of the HIV protein gp120 in the Unfolded Protein Response and survival of human B cells.

Cynthia E. Sánchez Hernández, PhD.

Operations Manager for Integrative Neuroscience

(Puerto Rico). Puerto Rico LSAMP (University of Puerto Rico in Aguadilla)

Administration, Operations Manager at Purdue Institute for Integrative Neuroscience, West Lafayette, IN [BIO].



Accomplishments: PhD. degree in Biology Sciences from Purdue University in Indiana; Pre-college Outreach and Undergraduate Retention Administrator for the Minority Engineering Program (MEP); Program Chair of the National

Society of Multicultural Engineering Program Advocates (NAMEPA) and Lead Coordinator for the Summer Research Opportunity Program (SROP).

José A. González Feliciano, Ph.D., Associate Investigator of Molecular Biology

(Puerto Rico). Puerto Rico LSAMP (University of Puerto Rico in Aguadilla)

Associate Investigator at Molecular Sciences Research Center, UPR, Río Piedras, PR. [BIO].



Accomplishments: PhD. degree in Molecular Biology from University of Puerto Rico in Río Piedras; Adjunct Professor; NIH Research Initiative for Scientific Enhancement (RISE) Fellowship; RNA

Society Poster Prize Award American Society for Biochemistry and Molecular Biology (ASBMB); Summer Internship in Massachusetts Institute of Technology (MIT) and 10 publications in several journals.

Francisco Velázquez Planas, Ph.D. Postdoctoral Fellow

(Puerto Rico). Puerto Rico LSAMP (University of Puerto Rico in Aguadilla)

Postdoctoral fellow at Brigham & Women Hospital (BWH), Boston, MA [BIO].



Accomplishments: PhD. degree in Immunology from Tufts University in Medford, MA; ASIP Trainee Travel Award; research in the application of recruitment models and antibody development to understand the impact of *cis* and *trans* interactions in CD47-SIRP α signaling in inflammation and cardiovascular disease.

Eneida Villanueva, Ph.D., Pathology Specialist

(Puerto Rico). Puerto Rico LSAMP (University of Puerto Rico in Aguadilla)

Pathology Solutions Specialist at Roche Diagnostic Corporation, Sales and Marketing, Tucson, Arizona [BIO].



Accomplishments: PhD. degree in Molecular Physiology from University of Michigan (UM); Postdoctoral fellow at the Immunology Department of UM; Next

Generation Leaders Program; John A. Williams Award for Outstanding Graduate Student Service; NIH Supplement to Promote Diversity in Health Related Research Systems and Integrative Biology Training Grant; Rackham Research Merit Fellowship; Clinical Sciences Program Specialist; Senior Scientist/Technical Leader, Assay Development and 11 publications in several journals.

Christian González Rivera, Ph.D., Researcher

(Puerto Rico). Puerto Rico LSAMP (University of Puerto Rico in Aguadilla)

United State Department of Agriculture (USDA), Athens, Georgia [BIO].



Accomplishments: PhD. degree in Microbiology from The University of Atlanta in Georgia, professor and researcher; published scientific papers and newspaper, and the book title "Microbiology Spectrum".

Leonardo Valdivieso Torres, Ph.D.,

(Puerto Rico). Puerto Rico LSAMP (University of Puerto Rico in Aguadilla)

International Sales Specialist at USA Scientific, Ocala, FL [BIO].



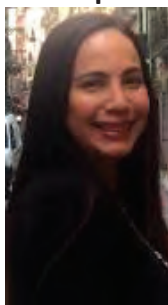
Accomplishments: PhD. degree in Biochemistry and Molecular Biology from Rutgers University in New Jersey; Postdoctoral Fellow at the University of Tennessee Knoxville;

Bridge to the Doctoral Degree NIH; GSBS New Brunswick/Piscataway Dissertation Excellence Award; Biotech Literacy Project Boot Camp Student Fellowship; Victor Stollar Virology Fellowship Award; AGEP Scholar; American Society of Biochemistry and Molecular Biology-Hill Day Scholar and 5 publications in several journals.

Brenda J. Ramos Santana, Ph.D., Associate Professor of Chemistry

(Puerto Rico). Puerto Rico LSAMP (University of Puerto Rico in Mayagüez)

Associate Professor, Liaison Officer PR-LSAMP/NSF, ACS Student Chapter Advisor, Faculty Research Mentor, Alternate Councilor-Executive Board ACS PR Section, University of Puerto Rico at Aguadilla, PR [MPS].



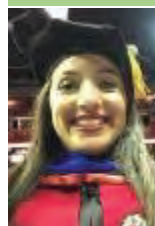
Accomplishments: PhD. degree in Applied Biophysics from UPR Mayagüez; Researcher-COBRE II Protein Research Center; (NIH/MBRS) fellowship; NMR Training-I High Magnetic Field Laboratory (NHMFL); ACS Innovative Project Grants Program (IPG); NSF Graduate Research Scholarship;

CNY-PR AGEP Fellow; NACME Alfred P. Sloan Foundation Program; NASA EPSCOR, NIH and NSF Research Scholarship; Chemistry Ambassador Presidential Award and Coordinator - Student Learning Assessment Committee.

Alba K. González-Rivera, Ph.D.

(Puerto Rico) Puerto Rico LSAMP University Puerto Rico at Arecibo

Assistant Professor, University of Puerto Rico-Arecibo, Aug. 2010 – Present.



Accomplishments: PhD. in Biophysics, University of Wisconsin, Madison (May 2019), University of Puerto Rico-Arecibo, BS in Microbiology and PRLSAMP undergraduate student.

Dalynés Reyes, Ph.D.

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Assistant Professor, University of Puerto Rico-Arecibo, Aug. 2010 – Present.



Accomplishments: University of Puerto Rico School of Medicine, Doctor of Philosophy (PhD), Anatomy, 2004 – 2010 and University of Puerto Rico- Arecibo, Bachelor of Science (BS), Microbiology and 1998 – 2003 PRLSAMP undergraduate student.

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(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Chairman Science and Technology
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Accomplishments:
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Dentistry of New Jersey -
Robert Wood Johnson Medical
School, Doctor of Philosophy
(PhD.), Biochemistry and
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Degree, Biology, Microbiology and
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Radamés Cordero, Ph.D.

(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Junior Faculty member of the Harry
Feinstone Molecular Microbiology and
Immunology Department, Johns Hopkins



Accomplishments:
PhD., Albert Einstein College of
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Einstein School of Medicine,
2008 ; BS, University of Puerto
Rico - Arecibo, 2005; recipient
of the Young Talent Attraction

Award Federal University of Rio de
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Johns Hopkins Bloomberg School
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Faculty member of the Harry Feinstone
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Puerto Rico at Arecibo

Assistant Professor, J. Craig Venter
Institute, August 2018 – Present



Accomplishments:
Assistant Professor,
J. Craig Venter Institute,
August 2018 – Present,
Rockville, MD.; Junior Faculty
Member Craig Venter Institute;
Doctor of Philosophy (Ph.D.)

The University of Texas Health Science
Center at San Antonio; Postdoctoral
Fellow, The University of Alabama at
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April 2015 – August 2015, San Antonio,
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undergraduate student.

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(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Academic Specialist, Biochemistry, Union
County College, Sept. 2018 – Present



Accomplishments:
Postdoctoral Fellow, Rutgers
University, July 2016;
Researcher, Rutgers
University, Sept. 2017 –
Present; Rutgers University-
New Brunswick, Doctor of
Philosophy (PhD.), Biochemistry and
Molecular Biology, 2011 – 2016.

Xiomara Mercado, Ph.D.

(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Assistant Researcher, University of
Pennsylvania, 2018-Present



Accomplishments:

Assistant Researcher,
University of Pennsylvania;
Post-doctoral Researcher,
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2013-2010; PhD in
Microbiology, University of

Puerto Rico-Medical Sciences Campus,
2005–2010; Universidad de Puerto Rico,
Master of Public Health – MPH,
University of Puerto Rico-Medical
Sciences Campus, 2017–2018;
University of Puerto Rico-Arecibo;
Bachelor’s Degree, Biology,
Microbiology and PRLSAMP
undergraduate student.

Ninotchka Del Valle-Dorta, Ph.D.

(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Research Fellow, Cincinnati Children's
Hospital Medical Center, June 2018 –



Accomplishments:

Research Fellow, Cincinnati
Children's Hospital Medical
Center, June 2018 – Present;
Michigan State University,
Doctor of Philosophy, PhD. in
Neuroscience, 2013 – 2018;

and University of Puerto Rico-Arecibo,
Bachelor’s Degree, Biology, Microbiology,
2006 – 2010.

Jasmine Seda, Ph.D.

(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Associate Professor, Pontifical Catholic
University of Puerto Rico, Aug. 2011 –
Present



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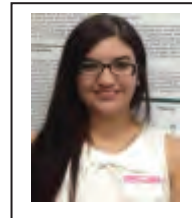
Associate Professor, Pontifical
Catholic University of Puerto
Rico, Aug. 2011 – Present;
University of Puerto Rico –
Mayaguez, Doctor of
Philosophy (PhD), Marine

Biology and Biological Oceanography,
2003 – 2012 and University of Puerto
Rico-Arecibo, Bachelor’s Degree,
Biology, Microbiology, 2003.

Vivian Padín, Ph.D.

(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Adjunct Professor, Agnes Scott College,
Aug. 2018 – Present



Accomplishments:

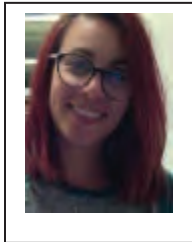
Adjunct Professor, Agnes Scott
College, Aug. 2018 – Present;
Postdoctoral Fellow, University
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Present; Postdoctoral Fellow,

University of South Florida, July 2015 –
Dec. 2016; University of Puerto Rico
School of Medicine, Doctor of
Philosophy (Ph.D.), Microbiology and
Medical Zoology, 2006 – 2014 and
University of Puerto Rico-Arecibo,
Bachelor’s Degree, Biology,
Microbiology, 2006 – 2010.

Darlah López-Rodríguez, Ph.D.

(Puerto Rico) Puerto Rico LSAMP University
Puerto Rico at Arecibo

Biology researcher at University of Miami,
Miller School of Medicine



Accomplishments:

Biology researcher at
University of Miami, Miller
School of Medicine; Assistant
Professor, University of Puerto
Rico-Arecibo, 2013-2018;
University of Miami, Doctor of

Philosophy (Ph.D.), Microbiology and
Immunology, 2011 and University of
Puerto Rico- Arecibo, B.S. degree,
Microbiology, 2004 – 2009.

Rosa Jaiman Cruz, Ph.D.

Research Assistant
Michigan State University Neuroscience
Program



Accomplishments:

Dual Ph.D. degree in
Neuroscience and
Environmental Toxicology
from Michigan State
University (2019) and B.S.
degree from Pontifical

Catholic University in 2010 from General
Science Department.

María Abreu-Sepúlveda, Ph.D.

Senior Corrosion Engineer at Naval Nuclear
Laboratory



Accomplishments:

graduated with a B. S. in
Physics from UPR-Humacao
in 2010. After a year of
graduate studies at UPR –
Mayagüez in Computer and

Information Sciences, she transferred to
University of Rochester, where she completed a
Ph. D. in Materials Science and Engineering.
She has worked as a materials Consultant at
General Electric Global Research, and as a
Materials Scientist at the Department of
Defense. She is an author in five publications

Charles Fermaintt, Ph.D.

Post-doctoral fellow at UT Health, San
Antonio



Accomplishments:

graduated with honors from
UPR – Humacao in May 2011
with a B.S. in Industrial
Chemistry. He in enrolled in
the post baccalaerate
program at Baylor College of

Medicine the fall of 2011. In August of 2012, he
enrolled in the graduate program in UT
Southwestern Medical Center in Dallas. While
at UT Southwestern, Charles was the recipient
of an NSF grant. In 2018, he obtained a Ph. D.
and has continued postdoctoral studies at UT
San Antonio. He is an author in five peer
reviewed papers.

Anthony Burgos, Ph.D.

Assistant Professor
Biology Department
The University of Texas at San Antonio



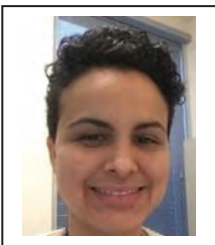
Accomplishments:

Dr. Burgos graduated from the Pontifical Catholic University in Ponce, Puerto Rico with a B.S. degree in Chemistry and PhD. in Biomedical Sciences (2008);

Clinical Neuroscience Internship at Harvard Medical School (2009); Post-Doc at MIT (2009-2019) and currently at The University of Texas in San Antonio occupying a teaching and research position.

Elane Reyes-Avilés, Ph.D.

Field Application Scientist in Flow Cytometry at Miltenyi Biotec.



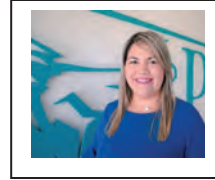
Accomplishments:

graduated with a B. S. in Microbiology from UPR – Humacao in May 2008. She completed a post baccalaureate program at the University of

Pennsylvania. In July 2010, she was admitted to Case Western Reserve University, where she completed a Ph. D. in Infectious Disease and Autoimmunity. She is an author in four publications. After completing her Ph. D., she worked as a Scientific Recruiter for Washington University in St. Louis and as a Sales Specialist in Thermo Fischer Scientific.

Darah Fontanez-Nuin, Ph.D.

Associate Professor
Ponce Health Science University
Puerto Rico



Accomplishments:

Dr. Darah Fontanez-Nuin completed her B.S. in Chemistry in 2004 from Pontifical Catholic University

of Puerto Rico in Ponce; obtained a PhD. in Biomedical Sciences at Ponce School of Medicine and Health Sciences; obtained a teaching position at the University of Puerto Rico, Ponce Campus; later joined PHSU as an Assistant Professor in the Anatomical Sciences Department; currently is an Associate Professor in the Basic Sciences Department of PHSU's School of Medicine and Assistant Dean for the Master Program in Medical Sciences.

Lynnette Ruiz, Ph.D.

Associate Professor
Ponce Health Sciences University
Puerto Rico



Accomplishments:

Dr. Lynnette Ruiz obtain her BS degree in 1998 from the Pontifical Catholic University of Puerto Rico; during 2005, worked in Abbott

Laboratories as a Chemical Analyst; in 2006, obtained a PhD in Biomedical Sciences, with concentration in molecular biology; in 2010, joined the Caribbean Primate Research Center .

José A. Rodríguez, Ph.D., Professor of Biochemistry at University of Puerto Rico-Río Piedras

PI NIH SC1 Grant for molecular behavior of proteins responsible for developing the human heart



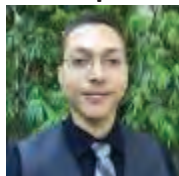
Accomplishments: Completed a PhD. in Chemistry at UPR-Río Piedras. PI of the NIH Project: Uncovering the DNA Recognition Rules of Cardiac Transcription Factors and authored 19+ scientific papers.

Félix Matos-Ocasio, Ph.D., Biology

(Puerto Rico) PR-LSAMP (University of Puerto Rico in Ponce)

Postdoctoral fellow at The University of Texas at El Paso

Accomplishments:



P.D. in Biomedicine/Neuroscience from Ponce Health Sciences University

Carilyn Torruellas, Ph.D., Organic Chemistry

Research Scientist at Edgewood Chemical Biological Center

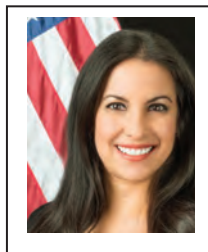


Accomplishments: graduated with a B. S. in Industrial Chemistry from UPR-Humacao in 2009. She finished her Ph. D. in Organic Chemistry from University of Pennsylvania in 2014. Upon

graduation, she joined Leidos, where she worked as a Synthetic Chemist, before joining Edgewood Chemical Biological Center in 2016. At Edgewood she is a Research Scientist.

Ida Pantoja-Feliciano, Ph.D., Biology

Research Biologist, U.S. Army

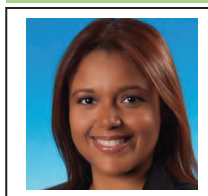


Accomplishments:

Graduated with a B.S. in Biology from UPR-Río Piedras. Then, she continued her education and completed a PhD. in Microbial Biology at UPR under the guidance of a recognized expert in Microbiome. After her Ph.D, Ida completed two years of Post-doctoral career at Harvard University. She was a Bridge to the Doctorate Fellow at UPR.

Giselle Flores, Ph.D., Chemistry

TS/MS Team Leader at Eli Lilly and Company



Accomplishments:

Graduated with a B.S. in Chemistry from UPR-Río Piedras. Then, Giselle completed a Ph.D. in Basic Sciences from Ponce Health Sciences University, one publication in the journal Experimental Biology and Medicine.

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Assistant Professor Department of Immunology and molecular Microbiology at Texas Tech University Health Sciences Center in Lubbock, Texas



Accomplishments:

Dr. Almodóvar graduated from the Pontifical Catholic University with a B.S. degree and her Ph.D. in Biomedical Virology in 2006. In 2010 she was awarded with an NIH/NHLBI Mentored Career Development Award. In 2017, Dr. Almodóvar was recruited to

Efraín E. Rivera-Serrano, Ph.D.

Research Associate
University of North Carolina at Chapel Hill



Accomplishments:

Dr. Rivera-Serrano graduated from the Pontifical Catholic University with a B.S. degree in Biology in 2009. He graduated from North Carolina State

University with a Ph.D. degree in Biomedical Sciences (Focus: Cell Biology/Virology) in 2016. He was a Postdoctoral Fellow (Focus: Molecular Virology) from 2017 to 2018 in University of North Carolina at Chapel Hill and a Postdoctoral Scholar from 2018 to 2019 in University of Carolina at Davis.

Felix L. Núñez Santana, Ph.D.

Post-Doctoral Fellow
Northwestern University
Feinberg School of Medicine



Accomplishments:

Dr. Felix Núñez Santana graduated from Pontifical Catholic University in Ponce, Puerto Rico with a B.S. degree in Biology in 2003 and he graduated from

Northwestern University with a Ph.D. degree in Neuroscience in 2013. He was a graduate student in Northwestern University at Feinberg School of Medicine in Chicago from 2008 to 2013, and Research Technician – Graduated Student in Center for Sleep and Circadian Biology at Northwestern University in Evanston, IL. from 2003 to 2008. He has more than 10 publications.

Oscar Vargas-Rodriguez, Ph.D.

Post-Doctoral Associate
Yale University, CT



Accomplishments:

Dr. Vargas graduated from the Pontifical Catholic University in Ponce, Puerto Rico with a B.S. degree in Chemistry in 2008. He was a PR-LSAMP member as

undergraduate student, and he was mentored by Dr. Margarita Rodriguez. He then enrolled at Ohio State University and obtained his Ph.D. in Biological Chemistry (2014). He is currently a Post-doctoral Associate in Dr. Dieter Söll laboratory at Yale University.

Rebecca Baerga, Ph.D.

Associate Director, Global and Alliance
Management



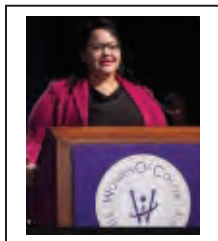
Accomplishments: Dr. Rebecca Baerga obtained her B.S. in Chemistry from Pontifical Catholic University in 2003 and her Ph.D. in Cellular and Molecular Pharmacology at Rutgers. Awards received

include: Ruth L. Kirschstein National Research Service Award (NRSA) Predoctoral Fellowship (F31), 2005-2008; Gallo Award, presented by the Cancer Institute of New Jersey for outstanding cancer research and the Executive Women of New Jersey Graduate Merit Award. Currently she works for Merck Company.

Dionne Hernández-Lugo, Ph.D., Deputy Manager Kilopower Project - Chemistry

(Puerto Rico) Puerto Rico LSAMP University of Puerto Rico at Humacao

Deputy Nuclear Launch Coordinator and Project Manager for the Radioisotope Power Systems Program Office at NASA



Accomplishments:

Dr. Hernandez-Lugo is responsible for leading missions and securing permission from the White House to launch spacecraft incorporating nuclear-

power. Her extraordinary scientific career has resulted in over a dozen publications and conference presentations of her work; a pending patent; fellowships from the National Science Foundation and NASA and recognition by the NBA's Cleveland Cavaliers as a Woman Trailblazer.

Irisbel Guzmán, Ph.D., Program Analyst - Chemistry

(Puerto Rico) Puerto Rico LSAMP University of Puerto Rico at Humacao

Program Analyst at the US Department of Veteran Affairs.



Accomplishments:

Dr. Irisbel Guzmán graduated with a B.S. in Industrial Chemistry from UPR Humacao in May 2009; obtained a Ph. D. in Biochemistry in 2015 from

the University of Illinois at Urbana Champaign; was a CPLC Fellow, a NSF GRC Fellow, and an NIH CBI trainee; served as a Health Sciences Specialist at the US Department of Veterans Affairs in Massachusetts and then a Presidential Management Fellow for one year. She has ten publications in her field.

Elsa Silva, Ph.D., Assistant Professor of Chemistry

(Puerto Rico) Puerto Rico LSAMP University of Puerto Rico at Humacao

Clinical Assistant Professor of Chemistry at Washington State University Tri-Cities.



Accomplishments:

Dr. Silva graduated with a B. S. in Industrial Chemistry in May 2006. In 2012 she completed a Ph. D. in Chemistry from the University of Washington

and then pursued post-doctoral training at Wake Forest School of Medicine, as a PRIME Scholar. Elsa is an author in six papers and was an instructor at Washington State University. Currently she is a Clinical Assistant Professor of Chemistry at Washington State University Tri-Cities.

Melissa Babilonia, Ph.D. Chemistry

(Puerto Rico) Puerto Rico LSAMP University of Puerto Rico at Humacao

Clinical Research Coordinator for Duke University Health System.



Accomplishments:

Dr. Melissa Babilonia graduated from UPR-Humacao with a B. S. in Industrial Chemistry then joined the Post Baccalaureate program in Biochemistry at Case

Western Research University. She finished her PhD. in 2016 at University of North Carolina Chapel Hill and completed postdoctoral studies at North Carolina State University. She has authored four papers and received a dissertation fellowship for her final year (ImPACT award). Currently she is a Clinical Research Coordinator for Duke University Health System.

Rut Rivera, Ph.D., Senior Engineer

(Puerto Rico) Puerto Rico LSAMP University of Puerto Rico at Humacao

Senior Engineer at Lockheed Martin



Accomplishments:

Dr. Rut Rivera graduated with a B. S. in Physics from UPR-Humacao in August 2010. She then completed a Ph. D. at Rutgers, The State University of New Jersey, New Brunswick

in 2014 in Materials Science and Engineering. She has been a member of the Engineering Staff at Lockheed Martin since January 2015, and a Senior Engineer since 2018.

Roberto A. Martínez Rodríguez, Ph. D. Entrepreneur Research Scientist

(Puerto Rico) Puerto Rico LSAMP (University of Puerto Rico, Río Piedras Campus)

Entrepreneur Research Scientist at Fundación Empresa-Universidad (FUNDEUN), University of Alicante, Spain.

Accomplishments: First recipient of a dual international PhD. degree in Chemistry and Electrochemistry, Science and Technology in joint supervision with the University of Alicante, Spain; recipient of Puerto Rico NASA Space Grant Fellowship; NIH RISE Fellowship; Santiago Grisolia Fellowship; Sloan Research Fellowship; 3 publications - one published in Microgravity Science and Technology and participant in the European program 'Erasmus in the University of Alicante, Spain.



Luis E. Betancourt, Ph.D., Research Associate

(Puerto Rico) Puerto Rico LSAMP (University of Puerto Rico, Río Piedras Campus)

Research Associate at Brookhaven National Laboratory, Upton NY. [MPS]



Accomplishments: Ph.D. in Chemistry at the University of Puerto Rico in Río Piedras; NASA Space Grant Graduate Fellowship; NSF Alliance for Graduate Education and the Professoriate; BNL Spotlight Award (2019) for

Excellence in Science and Engineering Mentoring; Keynote speaker at Long Island STEM Hub Diversity Summit and 12 total publications with 5 publications in ACS Catalysis.

Enid J. Contés-de Jesús, Ph.D., Scientist (Puerto Rico)

Puerto Rico LSAMP (UPR, Río Piedras campus)

Process Development Scientist & Subject Matter Expert – at Amgen Manufacturing Limited, Juncos, Puerto Rico



Accomplishments: Puerto Rico NASA Space Grant Fellowship, NSTI Internship, University Affiliated Research Center-System (UARC-

STI) Internship, NASA GSRP Fellowship. NASA-University Space Research Association-Educational Associates Program, Research Scientist, NASA – Ames Research Center / University of California Santa Cruz (UCSC), mentoring and coaching undergraduate and graduate minority students, author and co-author of 8 publications, including a chapter in the book "Syntheses and Applications of Carbon Nanotubes and Their Composites".

Juan Corchado García, Ph.D., Analytical Chemistry

(Puerto Rico) PR-LSAMP (University of Puerto Rico, Río Piedras Campus)

Research Scientist at nference, Cambridge MA. Biomedical Partnerships Lead

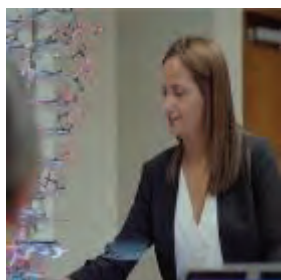
Accomplishments: Winner of the College of Chemistry Award, Faculty Award and Ex-Alumni

Award upon graduation. Published seven peer reviewed papers.



Liz M. Díaz, Ph.D., Professor of Chemistry at University of Puerto Rico-Río Piedras

Director of the Department of Chemistry at UPR-RP, Co-Director of NSF CREST CIRE2N



Accomplishments: Completed a PhD. in Chemistry at UPR-Río Piedras; Co-PI of the Co-Director of the NSF CREST Center for Innovation, Research and Education

Environmental Nanotechnology (CIRE2N) and Director of the Department of Chemistry.

Mitk'El Santiago Berríos, Ph.D., Professor of Chemistry at Universidad Ana G. Méndez

President of the American Chemical Society-Puerto Rico Chapter

Accomplishments: Completed a PhD. in Chemistry at UPR-Río Piedras. Associate Professor at Universidad Ana G. Méndez. Co-PI of the Center of Interfacial Electrochemistry for Energy Materials. Director of the American Chemical Society - Puerto Rico Chapter. Authored + 16 scientific papers.



Vanessa Rivera-Quiñones, Ph.D., Mathematics

Co-Editor of the Blog of Math American Mathematical Society

Accomplishments: Developed a content-based book recommendation system based using a tf-idf model; built an automatic credit card approval predictor using a logistic regression model to

find optimal hyper parameter values; implemented the Gillespie algorithm in MATLAB; received the Brahana TA Instructional Award; a Graduate Tea Ford Foundation Predoctoral Fellowship; and the Dr. Francisco Garriga Award: Most Distinguished Mathematics Student (Fall 2013).



Rafael A. Irizarry Quintero, Ph.D.
Professor of Biostatistics, Harvard T.H.
Chan School of Public Health

Chair of Biostatistics and Computational
Biology, Dana-Farber Cancer Institute

Accomplishments: Received in 2009 the Presidents' Award by the Committee of Presidents of Statistical Societies (COPSS) and the Mortimer Spiegelman Award; in 2001 the American Statistical Association (ASA) Noether Young Scholar Award and recipient of the ASA Youden Award in Interlaboratory Testing; named a fellow of the ASA in 2009. According to ISI's Scientist Rankings, he is one of the most highly cited researchers in Mathematics and Computer Science. One publication won the 2004 ASA Outstanding Statistical Application Award. Co-edited *Bioinformatics and Computational Biology Solutions using R and Bioconductors*.



Elvia Melendez, Ph.D., Professor of
Environmental Science Department at
University of Puerto Rico, Río Piedras

Co-Principal Investigator of the San Juan
ULTRA (Urban Long-Term Research Areas)



Accomplishments: Served as PI or Co-PI of funded grants of state (Department of Natural Resources), federal agencies (NSF, USDA, USFW) and NGOs (Ford,

Ciudadanos del Karso) and Co-PI on several collaborative proposals including the NSF-funded project leading to the creation of San Juan ULTRA (Urban Long-Term Research Areas).

Nelson A. Colón Vargas, Ph.D.

White House Presidential Innovation
Fellows, First Puerto Rican to receive the
title of Presidential Innovation Fellow



Accomplishments: Technology Officer at the Department of Veterans Affairs; has publications in the field of Quantum Topology and was part of Microsoft's Intellectual

Property Products & Solutions team where he was the Data Scientist.

Dalice M. Piñero Cruz, Ph.D., Assistant
Professor of Chemistry at the University of
Puerto Rico, Río Piedras Campus.

Director of the University of Puerto Rico's
X-ray Diffraction Facility.



Accomplishments: Completed a Ph.D. in Chemistry at UPR-Río Piedras; recipient of the NIH Supplement; Graduate Assistance in Areas of National Need (GAANN) Fellowship and the NIH

Research Initiative for Scientific Enhancement (RISE) Program. Senior Personnel of the NSF CREST Center for Innovation Research and Education in Environmental Nanotechnology; Director of the University of Puerto Rico's X-ray Diffraction Facility; Liaison officer of the PR-LSAMP at UPR-Río Piedras and author of 18 publications.

Vilmalí López-Mejías, Ph.D., Assistant Professor of Chemistry at the University of Puerto Rico, Río Piedras Campus.

Co-Director of the University of Puerto Rico's X-ray Diffraction Facility.



Accomplishments: Recipient of several awards and grants: Rackham Science Award, NIH Supplement; National Need (GAANN) Fellowship; Sloan Scholar Fellowship and the

Carl Storm (CSURM) Fellowship. Serves as Co-Pi and in the PREM-Center for Energy Materials; the Wisconsin-Puerto Rico Partnerships for Research and Education and the NSF EPSCoR RII Track-1 Center. Author of 14 publications and an inventor in two patents.

Cindy Figueroa, Ph.D. Chemistry

Analytical Development Research Investigator at Bristol-Myers Squibb in Manati PR

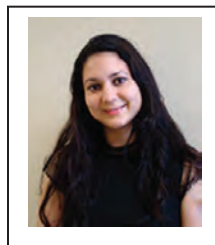


Accomplishments: Recipient of several highly competitive fellowships such as PRLSAMP, RISE, IFN, HHMI, and various travel awards. Dr. Figueroa completed her doctoral

degree in Chemistry with 8 published scientific articles. She was an Associate Professor at the Polytechnic University of Puerto Rico. She was the spokesperson of WaterStep at the United Nations Forum of the Women and Girls in Science Day in 2018, the Trinidad and Tobago Women in Science Conference, and in local media outlets. In 2019, she transitioned to the Industry Sector as an Analytical Development Investigator at Bristol-Myers Squibb.

Leyda Lugo Morales, Ph.D.

Forensic Scientist
North Carolina State Crime Laboratory



Accomplishments:

Earned a B.S. in Chemistry from the Pontifical Catholic University of Puerto Rico (PCUPR) with honors Suma Cum Laude in May 2008; obtained a doctoral degree in chemistry at North Carolina State University (NCSU) and earned her PhD. in Chemistry in summer 2013. Her research work focused on electrochemical detection of neurotransmitters and development of biosensors. Currently employed as a forensic scientist assigned to the Toxicology Unit of the North Carolina State Crime Laboratory. She is now an Analytical Chemist between two worlds: Neuroscience and Forensic Science.

Carol M. Galvis, Ph.D.

Lead Pharmacologist
Division of Pharmacology/Toxicology and Immunology and Inflammation
Office of Immunology and Inflammation
ODN/FDA/CDER



Accomplishments: Obtained her B.S. in Chemistry from Pontifical Catholic University; obtained her Ph.D. in Pharmacology in 2008 at University of Virginia; received the Ruth L. Kirschstein National

Research Training Award (2005 – 2008); the CDER Team Excellence Award for participation of Idiopathic Pulmonary Fibrosis drugs, and the FDA Excellence in Communication Award (2018). Currently she is Lead Pharmacologist for the Center for Drug Evaluation and Research (CDER), FDA, Maryland.

Louis Stokes
South Carolina Alliance for Minority Participation
(LS-SCAMP)



PI: James Clark, jclark@scsu.edu

Co-PI:
Judith Salley, Ph.D. djdsalley@scsu.edu

Institutional Partners:

Allen University, Columbia, SC
Benedict College, Columbia, SC
Clafin University, Orangeburg, SC
Clemson University, Clemson, SC
College of Charleston, Charleston, SC
Morris College Sumter, SC
South Carolina State University (Lead Institution), Orangeburg, SC
University of South Carolina, Columbia, SC
Voorhees College, Denmark, SC
Denmark Technical College, Denmark, SC
Midlands Technical College, Columbia, SC
Orangeburg-Calhoun Technical College, Orangeburg, SC

Kimberly Arnold, MPH/Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (College of Charleston)

Postdoctoral Fellow - Penn Center for Mental Health. [BIO]



Accomplishments: Earned the Ph.D. in Health Policy and Management with a concentration in Health and Public Policy and a certificate in Community-Based Public Health from

the Johns Hopkins Bloomberg School of Public Health. She received a Master's degree in Public Health from Drexel University and a BS in Biology with minors in African American Studies and Health from the College of Charleston.

John Bell, DPM/MHSA

South Carolina Alliance for Minority Participation (LS-SCAMP) (Morris College)

CEO/President, Excelsior Podiatry Clinic PLLC
Memphis, Tennessee [BIO]



Accomplishments: Earned a Doctorate of Podiatric Medicine degree from the Ohio College of Podiatric Medicine and a Master's degree in Health Services administration from Strayer University. He earned a BS in Biology and is Board

Certified by the American Board of Lower Extremity Surgery. He has authored 4 books and 2 music albums. He is the recipient of, the Morris College Philanthropy Award and the NAACP 21st Century Annual Speaker Award. He holds membership in the American Podiatric Medical Association and Tennessee Podiatric Medical Association.

Whitney Bluford, PharmD.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Pharmacy Manager, Cooperative Health, and West Columbia, SC [BIO]



Accomplishments: Earned a Doctorate of Pharmacy degree (PharmD) from The Medical University of South Carolina College of Medicine and a B.S. degree in Chemistry with a Radiochemistry minor from SC

State. She oversees several programs to assist the community with the most common health disparities including hypertension, diabetes, Hepatitis C and HIV/AIDS. She also manages control substance inventory and implements and enforces all new action plans for pharmacy operations and pharmacy preceptor responsibilities.

Joseph Brannon Jr., D.D.S.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Pediatric Dentist, CEO, Kids by the Bay Dental, White Plains, MD. [MPS]



Accomplishments: Received a Doctor of Dental Surgery Degree from Meharry Medical College in Nashville, Tennessee and a BS in Chemistry degree from SC State University. Completed post-graduate training in Pediatric

Dentistry at Howard University in Washington, DC. He is the CEO of Kids by the Bay Dentistry and an active member of the American Board of Pediatric Dentistry, American Academy of Pediatric Dentistry, American Dental Association, and Maryland State Dental Association.

Shanora Glymph Brown, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Assistant Professor, South Carolina State University, Orangeburg, SC. [BIO]



Accomplishments: Received a Ph.D. in Cancer Biology from Clark Atlanta University and a B.S Degree in Biology from SC State University. She has been awarded more than \$1.3 million in federal research funding from the NIH and

USDA/NIFA. She won the DRP Target Faculty award from the South Carolina IDEa Networks of Biomedical Research Excellence (SC INBRE) and has 4 peer-reviewed research papers. Current research focus includes prostate cancer health disparities. She has mentored over 50 underrepresented minority undergraduates and is the co-founder of the S.I.S. (Sisters in STEM) Network, an organization that promotes sisterhood, mentorship and networking for STEM undergraduate females.

Ryan Brown, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Emergency Medicine Specialist, Bon Secours, St. Francis, Greenville, SC [BIO]



Accomplishments: Received a M.D. from the University of Louisville School of Medicine and a BS degree in Biology from SC State. He is Board Certified in Emergency Medicine and as a specialist oversees cases involving cardiac distress, trauma, fractures, lacerations and other acute conditions.

Tiffany Camp, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson)

Technical Leader, -GE Power, Greenville, SC [ENG]



Accomplishments: Earned Ph.D., M.S. and B.S. in Mechanical Engineering from Clemson University. Dr. Camp completed Postdoctoral training at John Hopkins University. As an engineer

she designs accessory systems for upgrades of GE fleet gas turbines and coordinates project assignments to 4 globally located engineering centers.

Tamuka Chidyausiku, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clafin University)

Postdoctoral Researcher, Institute for Protein Design, University of Washington. [BIO]



Accomplishments: Earned the Ph.D. in Biochemistry from the University of Washington and a BS in Biology from Clafin University. He is a Computational Biologist with postdoctoral training in translational

Biochemistry techniques in agriculture and biomedical applications Recipient of Novartis Institutes for Biomedical Research Gap Year Scholar.

Bradley Childs, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Postdoctoral Researcher, Lawrence Livermore National Laboratory, CA. [MPS]



Accomplishments: Earned a Ph.D. in Radiochemistry from the University of Nevada, Las Vegas and is currently completing a Postdoctoral research fellowship in Radiochemistry at the Lawrence Livermore National

Laboratory, CA. He received a BS degree in Chemistry /Radiochemistry from SC State. Research interests include the synthesis, application, analysis, and characterization of radioactive compounds and materials, as well as experimental and method development. Dissertation work centered on volatile technetium oxides that stemmed from the vitrification process of nuclear waste.

Mildred Carson, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Pediatrician, Charlotte, NC [BIO].



Accomplishments: Earned the M.D. from University of Louisville and B.S. degree in Biology from South Carolina State University. She completed her residency and an internship at Virginia

Commonwealth University Health Systems in the field of pediatrics. She received further training at The Reach Institute and the Institute for Integrative Nutrition, both in New York, New York. She is board-certified with over 15 years of clinical practice, an author, speaker, consultant, health coach and expert on children's health and behavioral health issues. She holds professional membership in the American Academy of Pediatrics (Fellow) and the National Medical Association. She has one publication and three Press Mentions.

Brandyce Coes Smith, PharmD.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Claflin University)

Pharmacy Manager, Walmart, Lancaster, SC [BIO]



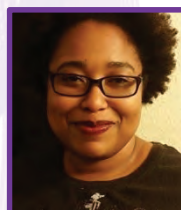
Accomplishments: Earned the Doctor of Pharmacy degree from the Medical University of South Carolina and a B.S. in Biochemistry from Claflin. She is certified by the American Pharmacists Association (APhA) in

Diabetes training, and Immunization Delivery. She is a member of the National Community Pharmacists Association (NCPA), and the South Carolina College of Pharmacy (SCCP) as a member of the Diversity Committee.

Willette Crawford, Ph.D./MPH

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Owner, Katalyst Consulting LLC San Francisco Bay Area. [OTH]



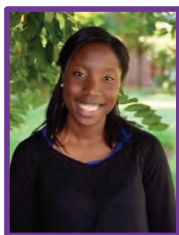
Accomplishments: Earned a Ph.D. in Food Science at Purdue University, a Master of Public Health from East Tennessee State University and two B.S. degrees in Biology and Chemistry from SC

State. Invited speaker for global public health and food safety conferences including Harvard University Medical School. Served as a European Union Visitors Program Participant 1 of 16 selected from the US to participate in European Parliament and European Commission, authored numerous guidance documents for the FDA, white papers, research abstracts, and book chapters. Multiple citations include: FDA Commissioner Special Citation Awards, Agency Cross-cutting FDA Honor Awards, FDA CFSAN exceptional achievement award.

Angela Dapremont, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (College of Charleston)

NASA Planetary Geology, Geophysics, and Geochemistry Laboratory, Greenbelt, MD. [MPS]



Accomplishments: Earned the Ph.D. degree in Earth and Atmospheric Sciences, Georgia Institute of Technology, and the BS degree in Geology, College of Charleston. Recipient of the McNair Scholarship, National

Science Foundation Graduate Research award and the National Science Foundation Graduate Research Fellowship. Interned at NASA Goddard Space Flight Center in Greenbelt, MD. Her dissertation focus was on mud volcanism on Mars. Professional Memberships include American Geophysical Union, American Astronomical Society Division for Planetary Sciences.

Samuel Morgan Davis, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Spine Surgeon, Palmetto Bone and Joint, PA Chapin, SC. [BIO]



Accomplishments: Earned a MD degree from Wake Forest University School of Medicine and graduated in the top 10% of his class. He received a B.S in Biology (Summa Cum Laude) from SC State. He has completed an Orthopedic Surgery residency

at Duke University and completed a fellowship in Spinal Surgery at Emory University. He has authored several book chapters and scholarly articles, and given numerous presentations related to his specialty in spinal surgery.

Deon Doxie, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (University of South Carolina)

Lead Research Specialist, Winship Cancer Institute of Emory University, Atlanta [BIO]



Accomplishments: Earned a Ph.D. in Oncology and Cancer Biology from Vanderbilt University School of Medicine and a B.S degree in Polymer Chemistry from the University of South Carolina. He was a Dean's list Scholar and the

recipient of the USC Magellan Scholar's award. His Ph.D. training was supported by NIH/NCI T32 CA009592 training grant entitled "Micro-environmental Influences in Cancer" and by an R25 GM062459 grant entitled "The Initiative for Maximizing Student Development (IMSD). Research interests include tumor immunology and cancer therapy resistance. He has five publications.

Delphine Felder, PharmD.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Voorhees College)

Pharmacist, Walmart, Barnwell, SC. [BIO]



Accomplishments: Earned Doctor of Pharmacy degree from The Medical University of South Carolina B.S. in Biology, Magna Cum Laude graduate, Voorhees College. Twelve years as a lead pharmacist and manager in the Walmart

Corporation. She participated in the Health Careers Opportunity Program and is a Motivational Speaker.

Cody-Aaron Gathers, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Pediatrics Clinical Fellow, Boston Children's Hospital, MA [BIO]



Accomplishments: Received a MD degree, Medical University of South Carolina, completed Pediatric Residency training at Boston Children's Hospital (the nation's top ranked Children's

Hospital)/Boston Medical Center in the Urban Health and Advocacy Track. Graduated from Clemson Magna Cum Laude as a distinguished military graduate. Recipient of the James B. Edwards Scholarship, member of the Gold Humanism Honors Society and former Class President at MUSC. Received the Darryl Powell Jr. Social Justice Award. He is a Captain in the Medical Corps of the United States Army National Guard. Research interests include pediatric healthcare disparities and health equity.

Whitney Gibbs, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (College of Charleston)

Post-Doctoral Research Fellow, LaVoie Lab, Harvard University, Cambridge, Massachusetts [BIO]



Accomplishments: Earned the Ph.D. from Harvard University and the BS Degree in Biology from the College of Charleston. She is a Post-Doctoral research fellow at the LaVoie Lab which is a part of the Ann Romney

Center for Neurologic Diseases in the Department of Neurology at Brigham and Women's Hospital and Harvard Medical School. The lab currently focuses on understanding the earliest molecular events responsible for Parkinson's disease, a neurologic disorder affecting more than 1 million Americans today. She is the recipient of the McNair Scholarship and has eight publications in genomic diversity.

James Gibert, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Assistant Professor, Purdue University, West Lafayette, Indiana. [ENG]



Accomplishments: Earned the Ph.D. and BS degrees in Mechanical Engineering from Clemson University. He was honored with the Highly Commended Emerald Engineering Outstanding Doctoral Award from the Emerald Literati Network and

Outstanding Paper and Emerald Literati Network Awards for Excellence. He has earned a Graduate Education and the Professoriate Fellowship from the National Science Foundation and an Endowed Teaching Fellowship from the Department of Mechanical Engineering at Clemson University.

Terrell Gibson, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Morris College)

General Manager/ Technical Director, National Labs Hayward, CA [BIO]



Accomplishments: Earned the Ph.D. in Environmental Toxicology from Texas Southern University and a BS degree in Chemistry from Morris College. Recent recipient of the National Labs Manager of the Year Award.

Served as Associate Technical Director and Analytical Chemist at Sagenex. Member of American Society for Clinical Pathology(ASCP). Managed and trained various graduate level summer research projects for graduate student mentors, undergraduate interns, and high school interns in the field of Science Technology Engineering and Mathematics (STEM).

Portia Gifford-Moss, PharmD.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Pharmacist, BlueCross Blue Shield of Tennessee, Nashville, TN [CHEM].



Accomplishments: Earned Pharm.D. degree from the Medical University of South Carolina, Charleston, SC and a BS degree in Chemistry with a concentration in Radiochemistry from SC State.

She was one of the first Radiochemistry graduates at the University. At BCBS of Tennessee, she developed and modified policies and procedures in accordance with NCQA, URAC, and CMS guidance. The former Miss SC State University serves on the YMCA Board of Advisors.

Latonya Gillespie-Johnson, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Voorhees College)

Owner and CEO, Southern Pearl Dentistry Atlanta, Georgia [BIO]



Accomplishments: Earned the Ph.D. in Dental Surgery from the Marquette University School of Dentistry, and a B.S. in Biology/Chemistry from Voorhees. Her passion for serving others and

educating the community on maintaining excellent oral health, led her to establish the Southern Pearl Dental Practice in Atlanta, GA. She is a full range General Dentist who also serves as an Oral Cancer Awareness Advocate. She is an active member of the American Dental Association, Georgia Dental Association, Academy of General Dentistry, and National Dental Association.

Stacey Gilliam, PharmD.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Pharmacist, Five Points Cooperative Health, Columbia, SC. [MPS]



Accomplishments: Earned Pharm.D. degree from Presbyterian College School of Pharmacy (member of the inaugural class) and a BS degree in Biology with a concentration in

Radiochemistry from South Carolina State. One of the first Radiochemistry graduates at the University. Currently, she is a pharmacy manager for a nonprofit organization that provides services for the uninsured, under-insured and migrant/refugees.

Devin Gordon, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Senior Analytical Chemist, 3M, Greenville, SC [MPS]



Accomplishments: Earned the Ph.D. in Macromolecular Science and Engineering from Case Western Reserve University and the B.S degree in Materials Science and Engineering,

Clemson. Recipient of the following awards: National Science Foundation Graduate Research Fellowship, the South Carolina Textile Education Foundation Award of Merit, Willie J. Heggins, II Scholastics Award, Intercultural Achievement Award and the Personal Academic Achievement Award. His specialties include: Chemometrics, Optical Spectroscopy, Polymer Degradation, and Data-Driven Modeling. He has four publications.

Crystal A. Green, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Imaging Physics Resident, Duke University Health System, Durham, NC [ENG]



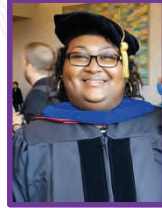
Accomplishments: Earned the Ph.D. in Nuclear Engineering from the top ranked nuclear engineering department in the country along with a certification in Medical Physics. Recipient of the following awards: SMART

Rackham Merit Fellowship, Michigan Woman of Color Student Leadership Award, American College of Radiology's Richard L. Morin Medical Physics Fellowship, BEYA Student Leadership Award, Great Lakes AAPM Chapter Distinguished Leadership Award. She has four publications.

Erica S. Green, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Allen University)

Research Specialist II- Medical University of South Carolina (MUSC) [BIO]



Accomplishments: Earned the Ph.D. in Pharmaceutical Sciences from The University of South Carolina (USC) College of Pharmacy in the Department of Drug Discovery and Biomedical

Sciences and a B.S degree in Biology from Allen. Recipient of the following awards: Two academic scholarships, the Daniel Li-Ching Wang Scholarship Fund and the Charles R. Yandell Fund Award. She is recognized as an outstanding mentor to undergraduate underrepresented students, many of whom have successfully presented at state, regional and national conferences. She has one paper published and two currently under review.

Aaron Haire, DPM

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Foot and Ankle Surgeon, Physicians Footcare, Florence, SC [BIO]



Accomplishments: Earned a Doctor of Podiatric Medicine (DPM) degree from Temple University and is Board Certified by the American Board of Podiatric Medicine. He has a BS degree in Biology from South

Carolina State University. He serves as an educational consultant for Cellularity Cellular Technologies and Versea Pharmaceuticals and as a spokesman for the SC Compassionate Care Act. He was nominated for the "Best Foot and Ankle Surgeon in the Pee Dee" award.

Carla Heyward, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Senior Scientist, Savannah River Nuclear Solutions, Aiken, SC. [CHEM]



Accomplishments: Earned both the Ph.D. and BS degrees in Chemistry from Clemson University. As a senior scientist at Savannah River Nuclear Solutions (SRNS) her research focuses on Europium valence

control in the hydrothermal synthesis of apatites and borosilicates and the hydrothermal synthesis and structural analysis of new mixed oxyanion borates: $Ba_{11}B_2O_{44}(PO_4)_2(OH)_6$, $Li_9BaB_{15}O_{27}(CO_3)$ and $Ba_3Si_2B_6O_{16}$.

Drena Howard, MPH

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Executive Director of Global Retail Environmental Health & Safety at The Estée Lauder Companies, Charlotte, NC [BIO]



Accomplishments: Earned a Master's in Public Health from Yale University and a BS degree in Biology from South Carolina State University. She leads environmental health and safety training education, communication

and sustainability initiatives for the global retail channel at Estee Lauder. She is the recipient of the National Safety Council Rising Star award, The Network Journal "40 Under Forty" Dynamic Achievers award and is a member of NOBLE (The Network of Black Leaders and Executives) @ The Estee Lauder Companies.

Shiree Hughes, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Embedded Software Engineer, Motorola Solutions, Florida. [COMP]



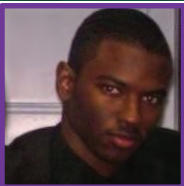
Accomplishments: Earned a Ph.D. in Computer Science from Florida Atlantic University, a M.S. degree in Computer Engineering from University of

Florida and a BS degree in Mathematics from Clemson. She specializes in embedded network systems and on projects that require an interdisciplinary team.

Kemar Hunter, PharmD.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Voorhees College)

Pharmacist, CVS Pharmacy, Manchester, New Hampshire [BIO]



Accomplishments: Earned the Doctorate of Pharmacy degree from Massachusetts College of Pharmacy & Health Sciences, and the B.S. degree in Biology, Summa Cum Laude graduate, Voorhees

College. Previous experience as a Pharmacy Intern, CVS, Manchester. Honors at Voorhees College include Student Government Association President, Presidential Scholar, Alpha Kappa Mu Honor Society.

Deja Jackson, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Transit and Rail Engineer, WSP, Cleveland, Ohio, [ENG]



Accomplishments: Earned both a Ph.D. and M.S. degree in Transportation and Highway Engineering from the University of Florida. She received a BS

degree in Civil Engineering Technology from South Carolina State University. She is one of the first certified Road Safety Professionals in the U.S. and Canada.

France Jackson, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

UX Researcher, Intel, Human-Centered Computing [BSIE]



Accomplishments: Earned the Ph.D. in Human-Centered Computing, from The University of Florida. M.S. and B.S. degrees in Industrial Engineering from Clemson University. She was recognized as a Young Adult Council- Roaring 10, SREB Scholar, Gates Millennium Scholar, Coca-Cola Scholar. Recipient of the University of Florida Graduate School Fellowship Award, Intel Scholar and GEM Fellow. She holds Six Sigma Green Belt certification.

Lesley Joseph, PE

South Carolina Alliance for Minority Participation (LS-SCAMP) (University of South Carolina)

Principal Engineer, Hazen and Sawyer, Columbia, SC [ENG].



Accomplishments: Professional Engineer and Ph.D. Candidate in Civil Engineering, University of South Carolina (USC). He has a M.S. degree in Engineering (concentration in Environmental Health Engineering) from John Hopkins Whiting School of Engineering, and both the M.S. and B.S. degrees in Civil Engineering from USC. He is the recipient of the Water Environment Association of SC Fellowship, NSF Fellowship, Grace Jordan McFadden Professors Program Fellow, Udall Scholar, Magellan Scholar. He serves as First Lieutenant in the South Carolina State Guard, Engineering Division. He is the founding President of the USC Student Chapter of "Engineers Without Borders." He has 9 scientific publications.

Sarina Kaye Sinclair, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Asst. Research Professor, Department of Orthopedics, University of Utah, Salt Lake City, Utah [BIOE]



Accomplishments: Earned the Ph.D. in Bioengineering from Clemson University, the Masters of Engineering degree (ME) in Biomedical Engineering from Tulane University and BS degree in Biotechnology, Clemson University. She completed a Postdoctoral Fellowship at the University of Utah Department of Orthopedics in the Bone and Joint Research Laboratory. She has conducted one clinical trial on Advanced Prosthetic Devices Screening and has one publication in the Journal of Stem Cells.

Ashley Knowell, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Asst. Professor of Biology, Department of Biological and Physical Sciences, South Carolina State University, Orangeburg, SC [BIO]



Accomplishments: Earned a Ph.D. in Cancer Biology from Clark Atlanta University and a BS degree in Biology from SC State. She has been awarded over \$1.4 million in federally funded grants (NIH-NCI and USDA-NIFA) to study cancer health disparities to include breast cancer and childhood obesity and nutrition and has 10 scientific publications. She currently serves as the SC State LS-SCAMP Campus PI, has mentored more than 60 minority undergraduate students and is the co-founder of the S.I.S. (Sisters in STEM) Network, a national organization for young women majoring in STEM.

Walter Lee, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Asst. Professor, Department of Engineering Education and Asst. Director for Research, Center for the Enhancement of Engineering Diversity, Virginia Tech University [ENG]



Accomplishments: Earned a Ph.D. in Engineering Education from Virginia Tech and a BS degree in Industrial Engineering, Clemson. He was named Outstanding New Assistant

Professor by Virginia Tech College of Engineering, Outstanding Young Alumni, Clemson University, and 20 High-achieving Researchers and Educators under 40 by PRISM Magazine.

Litany Lineberry, Ph.D. Candidate

South Carolina Alliance for Minority Participation (LS-SCAMP) (Voorhees College)

2020 Ph.D. Candidate, Engineering Education, Mississippi State University, Starkville, Mississippi. [ENG]



Accomplishments: A 2020 Ph.D. candidate at Mississippi State University majoring in Engineering Education. She earned a BS degree in Computer Science, Voorhees College.

Recipient of a GenCyber Grant

She was highlighted in a MSU "Our People" article for being a triple minority (AA, female and a person with disabilities) pursuing a terminal degree. Professional memberships include: Order of Engineers, Society of Women Engineers, National Society of Black Engineers, Women of Cyber Security, and Association for Computing Machinery.

Ayana Martin, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Benedict College)

Clinical Educator Liaison, Contractor for Bristol-Myers Squibb, Maryland [BIO]



Accomplishments: Earned Ph.D. in Molecular Medicine and Translational Science from Wake Forest and a BS degree in Biology, Benedict College.

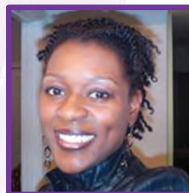
Employed as a Clinical Educator

Liaison servicing the following territories, DC, MD, VA, and WV. She is the recipient of the following awards: Omnicom Health Group Fellow, Co-Founder EncepHeal Therapeutics, Wake Forest Best Health Marketing and Health Promotion Intern, Alumni Convocation speaker, Benedict College. She has 3 publications.

Brooks McPhail, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Assistant Professor, Biomedical Sciences, School of Medicine Greenville, Greenville, SC [BIO]



Accomplishments: Earned the Ph.D. in Toxicology, with a concentration in pharmacokinetics, from the University of Georgia College of Pharmacy Department of

Pharmaceutical & Biomedical Sciences and a BS in Biology from SC State University. Completed Postdoctoral training in Computational Pharmacokinetics from the Center for Disease Control & Prevention Agency of Toxic Substance & Disease Registry (CDC/ATSDR) and the Cincinnati Children's Hospital Medical Center Division of Clinical Pharmacology. She has 8 publications.

Jade Nelson, DNP, FNP-C

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Doctor of Nursing Practice / Family Nurse Practitioner, Carolinas Healthcare Systems, Charlotte, NC [BIO].



Accomplishments: Earned Doctor of Nurse Practitioner degree from the Medical University of South Carolina in Family Medicine, Charleston, SC , a BS degree in Nursing (BSN) from Winston Salem State and a BS degree in Biology from SC State. She is credentialed as Doctor of Nursing Practice (DNP) and Family Nurse Practitioner (FNP-C) certified by the American Association of Nurse Practitioners (AANP). She is a member of Sigma Theta Tau International Honor Society of Nursing and recipient of the Advanced Education Nursing Traineeship Grant. She completed an advanced Clinical Practitioner Fellowship in Family Medicine at Carolinas Healthcare System.

Whitney Miranda, OD

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Optometrist, Eye Specialists of Central Florida, Orlando, Florida. [BIO]



Accomplishments: Earned the Doctor of Optometry (OD) degree from Pennsylvania College of Optometry at Salus University and a BS degree in Biology from SC State University. She received multiple clinical honors for specializing in eye health in pediatrics and vision therapy. They include: SEE Clearly in McClean, VA, Seidenberg Protzko Eye Associates in Havre de Grace, MD and Eye Specialists of Longwood, Longwood, FL. She is an active member in the following professional organizations: American Optometry Association, College of Optometrists in Vision Development, Florida Optometric Association and Central Florida Society of Optometric Physicians.

Frederick Paige, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Assistant Professor, Department of Civil Engineering and Environmental Engineering, Virginia Tech [ENG]



Accomplishments: Earned the Ph.D. M.S., and B.S. degrees in Civil Engineering, Clemson University. Previous work with a variety of utility companies, sustainability non-profits, and educational institutions has provided him with a versatile toolkit needed to address a diverse range of civil engineering issues. He has spent time in Genoa, Italy conducting an independent study investigating the connection between the use of operational shutters and the user's understanding of energy. He is the recipient of: GAANN Fellow Award, NSF GRFP Honorable Mention, W.E.B. Du Bois Talented Tenth Pinnacle Award (Clemson), BMEN Faculty Member of the Year (Virginia Tech). He recently published "fIEECe" in Nature Scientific Data.

Tiffany Richburg Morris, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Assistant Professor, Department of Anesthesiology Vanderbilt University Hospital, Nashville, TN [BIO].



Accomplishments: Earned the MD degree from Meharry Medical College, Nashville, TN and a BS degree in Biology from SC State University. She completed residency training at the Medical College of Georgia, Augusta, GA and completed an Adult Cardiothoracic Anesthesiology Fellowship at Duke University, Durham, NC. She currently serves as the Associate Fellowship Program Director for Cardiothoracic Anesthesiology.

Harold Rickenbacker, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Clean Air and Innovation Manager
Environmental Defense Fund (EDF),
Washington, DC. [ENG]



Accomplishments: Earned a Ph.D. in Civil & Environmental Engineering from the University of Pittsburgh and a BS degree in Civil Engineering Technology from South

Carolina State University. Recipient of the following awards, Senior Vice Chancellor for Engagement's Partnerships of Distinction Award, Carnegie Science College/University Student Award, and National Science Foundation (NSF) Emerging Frontiers in Research and Innovation (EFRI) Scholar Grant Supplement Award.

William Sago, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Forensic Pathologist, West TN Regional Forensic Center, Memphis, TN. [BIO]



Accomplishments: Earned the MD degree from Meharry Medical College and the BS degree in Biology from South Carolina State University. He completed a Residency at University of Tennessee, Memphis and

specialized in anatomic pathology. Currently employed as a Forensic Pathologist at West TN Regional Forensic Center in Memphis, TN.

Collin-Jamal Smith, MD/Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (University of South Carolina)

MD/Ph.D. Fellow University North Carolina School of Medicine, Chapel Hill, NC [BIO]



Accomplishments: A 2020 MD/Ph.D. degree in Microbiology and Immunology and MD degree from the University of North Carolina-Chapel Hill School of Medicine. He earned a BS degree in

Biology from University of South Carolina. Recipient of NIH NINDS MD/Ph.D. fellowship grant. Has 1 publication. Recently matched for Residency at UNC Hospitals, Chapel Hill, NC.

Bethany Smith, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Project Scientist, Cedars-Sinai Medical Center, Los Angeles, CA. [BIO]



Accomplishments: Earned a Ph.D. degree in Cancer Biology from Clark Atlanta University, a M.S. degree in Genetics from Delaware State University and a B.S. in Biology from SC State. She is the

Principal Investigator of a Department of Defense (DOD/PCRP) Research grant focusing on targeting Endoglin Signaling to Antagonize Androgen Receptor Splice Variants in Castrate- Resistant Prostate Cancer. She has also received a T32 Postdoctoral Trainee Department of Defense Research Grant, the DOD Early Investigator Research Award, and 2017 Patent: *Sensitization of Tumors to Therapies Through Endoglin Antagonism*. She has seven published research articles.

Michael A. Smith, M.D./Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Voorhees College)

Director, Hospitalist Medicine Program, Marion, SC. [BIO]



Accomplishments: Earned a Ph.D. in Microbiology from Howard University and a M.D. degree from the Medical University of South Carolina and a Summa Cum Laude graduate of Voorhees College with a BS degree in Biology. Member of

the Voorhees College Board of Trustees, National Medical Association, American Medical Association, American Society of Microbiology, and numerous other medical boards and committees.

Chavis Stackhouse, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (University of South Carolina)

Title. Post-Doctoral Scholar, Stony Brook NY [MPS]



Accomplishments: Earned a Ph.D. in Materials Chemistry from University of South Florida and a B.S. in Chemistry from University of South Carolina. He is currently completing postdoctoral training at Stony Brook University as a National Institutes of

Health IRACDA Scholar. The three year mentored fellowship advances teaching and research skills at a Minority Serving NY – Caps Partnership Institution.

Jeremy Sullivan, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Internal Medicine Fellow, New York University, New York, NY [BIO]



Accomplishments: Earned the MD degree from the Medical University of South Carolina and the BS Degree in Biological Sciences from Clemson University. He is a current Internal Medicine Resident at New York University

Lagone’s Department of Medicine.

Brandon Tompkins, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Senior Engine Development Engineer, Lexington, KY [ENG]



Accomplishments: Earned the Ph.D. in Mechanical Engineering, Texas A&M and BS degree, Mechanical Engineering, Clemson. Recipient of: GEM Fellowship, and a Graduate Diversity Fellow. His Licenses and

certifications include: Engine Failure Investigation and Analysis, Project Management Lite, 6 Sigma Green Belt. He is a member of ASME, ASM International and SAE and volunteers with The Boy Scouts of America. He has four publications.

Candice Ulmer, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (College of Charleston)

Clinical Chemist, Battelle-CDC, Atlanta, GA [MPS]



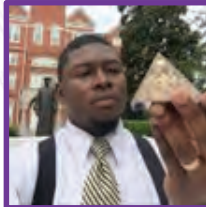
Accomplishments: Earned the Ph.D. from University of Florida. NIST NRC Post-Doctoral Research Associate. She` was involved with multi-omic UHPLC-HRMS method development which is one of the first lipid omics inter-laboratory studies that

monitored the effects of environmental exposures on human/marine life. She has 34 publications in the Journal of Lipid Research, Journal of the America Society for Mass Spectrometry, Journal of Proteomics and Bioinformatics, and many others.

Ethell Vereen, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Assistant Professor, Morehouse College, Atlanta, GA [BIO]



Accomplishments: Earned a Ph.D. in Ecology, University of Georgia, M.S. in Environmental Health University of Georgia College of Public Health and a BS degree in Biology, SC State.

Recent recipient of the Vulcan Excellence in Teaching Award, Morehouse College. Honored as an outstanding professor for his unique blend of professional expertise and engaging pedagogy in the classroom. Recipient of a National Science Foundation Research Initiation Award for \$300,000 entitled "Metagenomic Approach to Assess Water Quality and Microbial Load Variability of an Urban Watershed." Recipient of the E. Broadus Browne Research Award. He is an honorary Member of the National Society of Leadership and Success.

Deidra Walls, MS-EEN

South Carolina Alliance for Minority Participation (LS-SCAMP) (Benedict College)

Integrated Product Team Lead and Electronics Engineer, Northrop Grumman Corporation, Baltimore, Maryland [ENG]



Accomplishments: M.S. in Electrical and Electronics Engineering, Norfolk State University and a BS degree in Electrical and Electronics Engineering, Benedict College.

Serves as the Co-Programs' Chair for National Society of Black Engineers, Baltimore Metropolitan Area Chapter (NBSE-BMAC) and was selected as a guest speaker for the recently held "Emerging Researchers National Conference." She is currently pursuing an Engineering Juris Doctorate (EJD) in technology law at Purdue Global Concord School of Law. She has two publications on Rectenna Arrays (used for wireless power transmission) and Biosensors.

Courtney Ward, OD

South Carolina Alliance for Minority Participation (LS-SCAMP) (Clemson University)

Optometrist, The Eye Center, North Carolina [BIO]



Accomplishments: Received the Doctor of Optometry (OD) from University of Alabama, Birmingham and B.S. in Biological Sciences, Clemson University. Residency training was in Primary Care and

Ocular Disease at the W.G. (Bill) Hefner VA Medical Center in Salisbury, NC. She gained extensive knowledge and training in diagnosing and treating ocular diseases including glaucoma, macular degeneration, diabetes and other vascular diseases. Member of the Beta Sigma Kappa International Optometric Honor Society and served as the President of the National Optometric Student Association.

Lindsey Walker, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Staff Developmental Scientist, Beckman Coulter, Sacramento CA [BIO]



Accomplishments: Earned the Ph.D. degree in Cellular Biology from Clark Atlanta University, and a B.S degree in Biology from South Carolina State University. She was a Ruth L.

Kirschstein National Research Service Award Postdoctoral Fellow (T-32) in the Endocrinology, Diabetes and Metabolism training program at Emory University. In her current position as a Staff Developmental Scientist she serves as project leader and technical expert on projects totaling more than \$4 million in cost savings. She has seven publications.

Curtis White II, Ph.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (Morris College)

Materials and Process, Northrop Grumman Corporation, Baltimore, Maryland. [ENG]



Accomplishments: Earned the Ph.D. in Materials Engineering, M.S. degree in Optical Engineering from Norfolk State University and received a BS degree in Mathematics from Morris College.

Currently, he is a Spark Challenge Innovator to support medical response to the COVID-19 virus. He is a member of the National Society of Black Engineers and contributor to the Innovation Exchange and Tech Fest as a presenter. He is co-author of nine publications.

David Williams, M.D.

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Vascular Surgeon, Bon Secours St Francis Downtown, Greenville, SC [BIO]



Accomplishments: Received the MD degree from The University of Louisville School of Medicine and a BS in Biology from South Carolina State University. Completed Residency Training in Surgery at Virginia Commonwealth University Health

System and a Vascular Surgery fellowship at Wake Forest Baptist Health Center. He was the recipient of the University of Louisville School of Medicine student "Diversity Award" for his commitment to the educational and societal needs of underrepresented minorities through mentorship and service. He is Board Certified in Vascular Surgery and has 11 scientific publications.

Matthew Wooten, DO

South Carolina Alliance for Minority Participation (LS-SCAMP) (South Carolina State University)

Infectious Diseases-Critical Care Fellow, The Brody School of Medicine at East Carolina University, Greenville, NC. [BIO]



Accomplishments: Received the Doctor of Osteopathic (D.O.) degree from Ohio University Heritage College of Osteopathic Medicine and BS in Biology from South Carolina State University. Completed Residency

training at Mount Carmel Health System, Columbus, Ohio and St. John Medical Center, Westlake, Ohio. Served as Chief Resident Physician for Internal Medicine, Mount Carmel Health Systems. He is a Teach Society Inductee and member of the Lambda chapter of Sigma Sigma Phi National Osteopathic Honors Fraternity. He was featured in an NBC Documentary on Osteopathic Healthcare describing the full recovery of a patient not expected to live.

**Louis Stokes Mississippi Alliance for Minority Participation
Mississippi**

PI: Dr. Glake Hill glakeh@ccmsi.edu

Co-PIs:

Dr. Felix Okojie faokojie@jsums.edu

Dr. Donal Cole dcole@olemiss.edu



Institutional Partners

**Alcorn State University
Mississippi Delta State University
Hinds Community College
Jackson State University**

**Mississippi State University
Mississippi Valley State University
Tougaloo College
University of Mississippi
University of Southern Mississippi**

Montray C. Leavy, Ph.D. – Deputy Chief Technology Officer

(Mississippi). Mississippi LSAMP (University of Mississippi)

Mathematics and Physical Sciences



Accomplishments: Dr. Montray C. Leavy is Deputy Chief Technology Officer of Entegris, based in Singapore. He is current leading the Advanced Technology Engagement team responsible for working across the

company’s business divisions to plan and execute technical collaborative customer engagements for the most challenging applications while ensuring alignment to the company’s product portfolio. Prior to this role, Dr. Leavy served as Vice President of the Strategic Account Technology Management team. In this position, he led a team responsible for strategic new product development and customer technical engagements.

Dr. Kendrick Savage, Ph.D. – Assistant Professor of Mathematics

(Mississippi). Mississippi LSAMP (University of Mississippi)

Mathematics and Physical Sciences

Accomplishments: Assistant Professor of Mathematics, Georgia Gwinnett College.



Accomplishments: Dr. Kendrick has a passion for teaching mathematics. He believes and tells his students that all problems in life revolve around mathematics. He is a member of Kappi Delta Pi, National Council of Teachers of

Mathematics, Association of Mathematics Teacher Educators, Mathematical Association of American, Outstanding teaching credentials.

Toyin Alli, Ph.D., Lecturer

(Mississippi). Mississippi LSAMP (University of Mississippi)

Mathematics and Physical Sciences

Accomplishments: Math PhD. Lecturer at the University of Georgia



Accomplishments: Creator of Academic Society - creates videos and blogs for graduate students and faculty members in the Math and STEM. Bridge to Doctorate Program – University of Mississippi

Brittany Rogers, O.D.

(Mississippi). Mississippi LSAMP (University of Mississippi)

Mathematics and Physical Sciences



Accomplishments: Dr. Brittany N Rogers is a therapeutic optometrist practicing at Rogers Family Eye Care, LLC in Ridgeland, MS. She earned her Doctor of Optometry degree from the University of Houston College Of Optometry and her Bachelor of

Science degree from the University of Mississippi in Biochemistry. During her early academic career Dr. Rogers spent many hours as a dedicated member and officer of the LSAMP IMAGE Program on the campus of UM. She contributes the foundation of her academic and professional success to the challenges and opportunities that IMAGE offered. "I believe that I accepted the challenge to pursue excellence and I have been all the more blessed for it."

Gerald Stinson, Jr., O.D.

(Mississippi). Mississippi LSAMP (University of Mississippi)

Mathematics and Physical Sciences



Accomplishments: Gerald Stinson, Jr., O.D., Owner/Manager of Lexington Eye Care Clinic in Lexington, MS. The only eye care provider in Holmes County, MS. Dr. Stinson serves the citizens of Holmes County by providing effective management of refractive error and various diseases of the anterior a posterior eye such as conjunctivitis, glaucoma, and diabetic eye disease.

Dr. Ebony J. Adams, PharmD, MS, MHA

(Mississippi). Mississippi LSAMP (University of Mississippi)

Mathematics and Physical Sciences

Accomplishments: Currently, an administrative pharmacist practicing within the Houston Methodist Healthcare System at Houston Methodist Baytown Community Hospital located in Baytown, Texas. She earned her Doctor of Pharmacy degree from Samford University



McWhorter School of Pharmacy, her Master of Healthcare Administration from the Medical University of South Carolina and her Bachelor of Art degree from the University of Mississippi (UM) in Biochemistry. Following the completion of pharmacy training, she completed a rigorous 24-month pharmacy residency training in Health System Pharmacy Administration (HSPA) at University of North Carolina Health along with a Master of Science in Pharmacy Administration from the UNC Eshelman School of Pharmacy.

Angela Fortner McKoy, Ph.D. Visiting Assistant Professor

(Mississippi). Mississippi LSAMP (Jackson State University)

Mathematics & Physical Sciences

Accomplishments: Dr. Fortner-McKoy graduated from Jackson State University with her bachelor's degree in Chemistry in 2005 and her master's degree in Chemistry in 2006. She received her doctoral degree from Princeton University in Biochemistry in 2011. Currently, she is a Visiting Professor at Wheaton College since 2014. Dr. McKoy came to Wheaton College in 2014 as a visiting professor in Biochemistry. Her post-doctoral work is in X-ray crystallographic structure determination and expression and purification of polyproteins. While at Princeton University she worked on the discovery of compounds that rescue Alzheimer's peptide toxicity through E. coli protein expression screening.

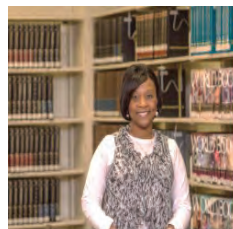


Dr. Patrina Thompson, Chemistry Instructor

(Mississippi). Mississippi LSAMP (Jackson State University)

Mathematics & Physical Sciences

Accomplishments: Dr. Thompson received a bachelor's degree in Chemistry in 2004 from Alcorn State University. She also received a master's degree in 2006 and a doctorate degree in 2012, both in Chemistry, from Jackson State University.



Thompson is a licensed teacher for the State of Mississippi. She joined CCC's faculty in August 2013. Currently, she is a Chemistry Instructor at Coahoma Community College.

**Dr. Jelani Griffin-Parker, Administrator
Mississippi Health Systems**

(Mississippi). Mississippi LSAMP (Jackson State University)

Mathematics & Physical Sciences



Accomplishments: Dr. Griffin-Parker graduated from Jackson State University with her bachelor's degree in Chemistry. She received her doctoral degree from Jackson State University in Chemistry. She worked as a Pathology Technician at Baptist Health

System from 2010 to 2011. Currently she is a supervisor at Mississippi Health System since 2011.

Dr. Eric McClendon, M.D., Cardiologist

(Mississippi). Mississippi LSAMP (Jackson State University)

Mathematics and Physical Sciences



Accomplishments: Dr. McClendon graduated from Jackson State University with his bachelor's degree in Chemistry in 2003. He received his doctoral degree from Jackson State University in 2008 and his Doctor of Medicine (MD)

from the University of Mississippi Medical Center in 2008. He was an Internal Medicine Resident at Wake Forest Baptist Health from 2012 to 2015. Currently, he is Cardiology Fellow at the University of Mississippi Medical Center since 2015.

Dr. William Hardy, Chemist

(Mississippi). Mississippi LSAMP (Jackson State University)

Mathematics and Physical Sciences

Accomplishments: Dr. William Hardy graduated from

Jackson State University with his bachelor's degree in Chemistry in 2008. His Master's Degree in Analytical Chemistry from University of Florida in 2011. He received his doctoral degree from University of Florida in Analytical Chemistry in 2014. He is a chemist with

several years of material development, synthesis and characterization experience. My graduate study research focused on developing nano-structured porous materials for an array of different applications including biosensors, battery separators for lithium ion batteries, and long-term storage systems for radio-active waste.

Glake Hill, Ph.D., Professor

(Mississippi). Mississippi LSAMP (Tougaloo College)

Mathematics and Physical Sciences

Accomplishments: Dr. Hill is a computational



chemist. His research interests is in theoretical chemistry: The Hill group focuses on developing tools that will provide accurate information about relatively large systems. Using Quantum Monte Carlo methods, Localization methods, basis set

extrapolation methods and other innovative techniques, and accurate calculations performed on systems that are computationally difficult.

Kristen Lewis, Ph.D., Assistant Professor

(Mississippi). Mississippi LSAMP (Tougaloo College)

Mathematics and Physical Sciences

Accomplishments: Dr. Kristen Lewis is an assistant professor at Bloomsburg University



She is also a group leader at USGS and also worked on the Geophysical Analysis of Energy Resources Project (also called the Geophysical Analysis Project) meets the need within the USGS and the Energy Resources Program to conduct advanced theoretical and applied research in reflection seismology to improve the delineation and characterization of both conventional and unconventional hydrocarbon resources.

Marshala Lee, M.D., MPH

(Mississippi). Mississippi LSAMP (Tougaloo College)

Mathematics and Physical Sciences

Accomplishments:

Marshala attended Tougaloo College where she received her BS degree in Chemistry. She completed her residency in the department of family medicine at the University of Maryland Med. Center, Baltimore MD.



Jasmine Collins, Ph.D.

(Mississippi). Mississippi LSAMP (Tougaloo College)

Mathematics and Physical Sciences

Accomplishments: Jasmine graduated with her BS at



Tougaloo College, her masters at Jackson State University, and her Doctorate degree from JSU's College of Science, Engineering and Technology (CSET). She is the bridge between a student failing chemistry and passing. She is a profound chemistry teacher who makes chemistry problems

simple.

Tomekia Simeon, Ph.D.

(Mississippi). Mississippi LSAMP (Tougaloo College)

Mathematics and Physical Sciences



Accomplishments: Tomekia Simeon is an Assistant Professor of Chemistry. Tomekia received her bachelor's degree in Chemistry at Tougaloo College before earning her a Ph.D. in Physical Chemistry from Jackson

State University. During her doctoral studies, she interned at NASA, Lawrence Livermore National Laboratories and with the 1985 Nobel Laureate in Chemistry, Jerome Karle, at the Office of Naval Research. After receiving her doctorate, she aspired to continue her studies in computational chemistry by working with the pioneers in quantum chemistry at Northwestern University.

Lesha Jackson, Ph.D.

(Mississippi). Mississippi LSAMP (Mississippi Valley State University)

Mathematics and Physical Sciences



Accomplishment: Currently, she is working for (USDA) United States Department of Agriculture as a Supervisory Public Health Veterinarian in the field of (FSIS) Food Safety and Inspection Services. Her job is to protect the public's health by preventing

foodborne illnesses among consumers who purchase meat, egg, and poultry products that goes out into commerce. As a veterinarian, I monitor, analyze, and gather laboratory data of all food prospects (food animals) and monitor all operational processes before production. My research involved developing a biomarker panel that could detect the epigenetic factors of childhood leukemia.

Marquita Watkins, Ph.D., Assistant Professor

(Mississippi). Mississippi LSAMP (Tougaloo College)

Mathematics and Physical Sciences



Accomplishments: Dr. Marquita R. Watkins Graduate from Tougaloo College in Chemistry in 2010. She received her doctoral degree from Jackson state University in chemistry in 2017. She worked as an Administrative Coordinator at Tougaloo College

from 2016 -2018. Currently she is an Assistant Professor at the University of South Carolina-Salkehatchie since 2018. She serves as an assistant professor delivering education in General Chemistry, Fundamental Chemistry, and Introductory Chemistry courses. Collaborate with colleagues in instruction and interdisciplinary research.

Brianna Bingham, Ph.D., Postdoctoral Fellow

(Mississippi). Mississippi LSAMP (Tougaloo College)

Mathematics and Physical Sciences



Accomplishments: Dr. Brianna Bingham attended Tougaloo College and received her bachelor's in mathematics, and a master's degree from Jackson State University in mathematics. She received her doctoral degree in mathematics at the University of Southern Mississippi in computational science and mathematics in 2019. She worked as a Graduate Teaching Assistant at the University of Southern Mississippi from 2016 to 2019. Dr. Bingham has served as a teaching assistant instructing intermediate algebra and quantitative reasoning, and has extensive experience tutoring at the collegiate and K-12 levels.

Lungile Sitole, Ph.D., Professor

(Mississippi). Mississippi LSAMP (Jackson State University)

Mathematics and Physical Sciences



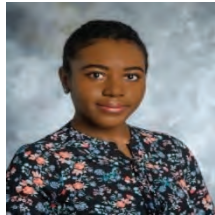
Accomplishments: Dr. Sitole holds both a Bachelors (Magna Cum Laude) and Master's (Cum Laude) degree in Organic Chemistry from Jackson State University as well as a PhD in Biochemistry from the University of Pretoria. In 2015, she was

featured in the Mail & Guardian as one of the top 200 young South Africans. In 2014, Sitole was one of the recipients of the South African Women in Science Doctoral fellowship awards. Dr. Sitole is currently a lecturer in the Department of Biochemistry at the University of Johannesburg (UJ) where she also serves as the Deputy Head of Department. She completed her postdoctoral training at the same institution.

Sherrie Amadi, Ph.D.

(Mississippi). Mississippi LSAMP (Mississippi Valley State University)

Mathematics and Physical Sciences



Accomplishment: I am an alum of the LSAMP Summer Bridge Program (SBP) at Mississippi Valley State University. I attended the program in June 2014, I attended The University of Southern Mississippi (USM) where I majored in Chemistry with emphasis in Biochemistry. I attended the University of Arkansas for Medical Science Summer Undergraduate Research Program (SURP). My research involved developing the primary extract for a pharmaceutical that would treat gastric ulcers and cancers caused by Helicobacter pylori. In 2017, I attended the University Of Missouri College Of Medicine Biomedical Summer Research Internship.

James Kevin Hall, M.D.

(Mississippi). Mississippi LSAMP (University of Mississippi)

Biological Sciences



Accomplishments: Practices consultative and interventional cardiology at Baptist Memorial Hospital, Oxford, MS Georgetown Medical School Accomplishments: Fellowships-

Wake Forest University (Interventional/ Cardiology), Harvard Medical/Brigham and Women’s Hospital, Research Fellowship. American Board of Internal Medicine, Cardiovascular Disease and Interventional Cardiology, Board Eligible. Alpha Omega Alpha Honor Society Inductee at the University of Chicago, Internal Medicine.

Keyana Mitchell Washington, M.D., MPH

(Mississippi). Mississippi LSAMP (University of Mississippi)

Biological Sciences



Accomplishments: Pediatrician and Partner at Gwinnett Pediatrics & Adolescent Medicine Community Mentor and Preceptor for Emory University Department of Pediatrics Residency Program Gwinnett Pediatrics & Adolescent Medicine is the oldest and largest

privately-owned pediatric practice in Gwinnett County, a suburb of Atlanta. The practice consists of 4 offices and over 20 medical providers.

My job involves taking care of children and families, which I love! I work in private practice, caring for sick children as well as doing well child checkups.

Dr. Jalarna J. Grant, M.D., Obstetrician

(Mississippi). Mississippi LSAMP (University of Mississippi)

Biological Sciences

Accomplishments:



Dr. Jalarna J. Grant is an Obstetrician/Gynecologist practicing in Olive Branch, MS. Prior to joining Methodist Olive Branch Women’s Group. She practiced also in the Mississippi Delta providing access to high quality health care in rural

communities. Dr. Grant earned a M.S. in Biomedical Science in 2008 from Philadelphia College of Osteopathic Medicine (Georgia Campus). She earned her medical degree in 2012 from the University of Mississippi Medical Center in Jackson, MS. Dr. Grant completed her training at Meharry Medical College in Nashville, TN. Dr. Grant specializes in women’s health care and has a special interest in obstetrics, contraception, and preventive medicine.

Dr. Mekel Richardson, Assistant Professor

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences



Accomplishments: Assistant Professor of Biology. Dr. Richardson graduated from Jackson State University with her bachelor's degree in biology in 2002. She received her master's degree in Molecular Biology from JSU in 2005 and she received her

Doctoral degree in Cancer and Developmental Biology in 2011 from the University of Tennessee Health Science Center. She is currently an Assistant Professor of Biology at LeMoyne-Owen College in Greater Memphis Area since 2016.

**Dr. Caronda Moore
Scientific Marketing Consultant**

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences



Accomplishments: Dr. Moore graduated from Jackson State University with her bachelor's degree in Biology. She received her doctoral degree from University of Nebraska Medical Center in PhD in Medical Science. She worked as a Scientific and Marketing Consultant at Paratransit Nontherapy from 2013 to 2014 and as a Licensing Associate in UNeMed Corporation for 3 years. Currently, she is a Licensing Associate at Kansas State University Institute for Commercialization She is an experienced Licensing Associate with a demonstrated history of working in the life science industry.

Dr. Samuel Haile, Senior Scientist

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences



Accomplishments: Dr. Haile graduated from Jackson State University with his bachelor's degree in Biology in 2006. He received his doctoral degree from University of Maryland, Baltimore County in 2013. His research topic "The Regulation of Programmed

Death Ligand-1 by Cancer Vaccines Expressing CD80." He was a Postdoctoral Fellow at the National Cancer Institute from 2014 to 201. He was a postdoctoral Fellow at Stanford University from 2016-2017 in the area of combining oncolytic viruses with chimeric antigen receptor (CAR) T cells to target pediatric solid tumors, with a focus on neuroblastoma and sarcomas. He worked as a scientist at Cell Design Labs in 2017. Currently, he is a Senior Scientist at Kite Pharma, Emeryville, California.

Dr. Kirbie Watson, Analyst

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences



Accomplishments: Dr. Clark-Watson graduated from the University of Southern Mississippi with her bachelor's degree in Biology. She received her master's degree from Jackson State University in 2007 in Biology and

her doctoral degree from the University of Texas-Houston in Biology. She was a Research Assistant to Professor at Louisiana State University Law Center from 2014 to 2015. Currently, she is a DNA Analyst at Harris County Institute of Forensic Sciences.

Dr. Isi A Ero-Tolliver, Associate Professor

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences

Accomplishments: Dr. Isi Ero-Tolliver earned a B.S in



Biology at Jackson State University. She completed her M.S at Jackson State University. She attained her Ph.D. in Interdisciplinary Studies in Biological Sciences and Science Education at Vanderbilt University.

Dr. Ero-Tolliver is currently an Associate Professor of Biological Sciences at Hampton University. She has authored and co-authored papers in peer-reviewed science and education journals. Dr. Ero-Tolliver is the principal investigator (PI) of the National Science Foundation (NSF) Robert Noyce Teacher Scholarship Program, Co-PI of the NSF CURENet2 Mobile and the Co-PI of the DoD Center of Excellence in STEM Scholars(SSP) Program at Hampton University and currently serves on the board of reviewers for the journal of education and urban society (EUS).

Dr. William Johnson, Research Scientist

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences



Accomplishments: Dr. William Johnson graduated from Jackson State University with his bachelor's degree in Biological and Biomedical Sciences in 2008, and His Master's degree in Biology, Oncology and Cancer Biology in 2009. He received his doctoral degree from Jackson

State University in Environmental Science/Microbiology in 2015. He is a Clinical Research Scientist at Medical College of Wisconsin & Children's Hospital of Wisconsin. Currently, he is a Clinical & Medical Research Scientist at Medical College of Wisconsin.

DeGail Hadley, D.O.

(Mississippi). Mississippi LSAMP (Delta State University)

Biological Sciences



Accomplishments: Dr. Hadley is the owner of Dynamic Wellness Medical Clinic, Cleveland, MS, location, [BIO] Biological Sciences.

He is the first African American physician to have a family medicine practice in Cleveland, MS. He is the immediate past president of the Mississippi Osteopathic Medical Association (MOMA).

Dayle Houston Cohen, Medical Writer

(Mississippi). Mississippi LSAMP (Delta State University)

Biological Sciences

Accomplishments: Dr. Cohen is the Director of Global Medical Writing at Pharmaceutical Product Development, Raleigh-



Durham, North Carolina, Other STEM Fields. She worked on P2Y(1) receptor promotes chloride secretion in epithelial cells, a process critical for regulation of extracellular ion and fluid

levels. Here we have examined the role of phosphorylation in agonist-induced internalization of P2Y(1) receptors. A high-affinity radiolabeled antagonist, MRS2500, was used to quantify cell surface binding.

Denessa V. Potts-Toombs, D.M.D.

(Mississippi). Mississippi LSAMP (Delta State University)

Biological Sciences



Accomplishments: Dr. Denessa V Potts-Toombs is a dentist primarily located in Jackson, MS. She is an experienced dentist and a specialist in general dentistry. She graduated with her BS at Delta State and received her

medical degree at the University of Mississippi. Her practice is in Jackson MS.

Haleigh Eubanks, Ph.D., M.D.

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences

Accomplishment: Haleigh matriculates as a 3rd year



medical student at VCOM-Auburn, completing her clinical rotations at Gadsden Regional Medical Center, Gadsden, AL. At VCOM-Auburn JSU - Bridge to Doctorate Fellow – master’s in Biology University of Arkansas Medical Sciences – PhD in Interdisciplinary

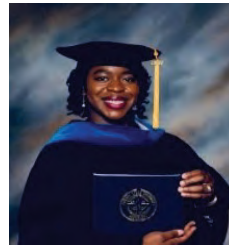
Biomedical Sciences. Recognized for Research of Distinction: American Association for the Study of Liver Diseases, Boston, MA, 2016. A champion for equity and equality in medicine for minorities, Haleigh is characterized as a trailblazer.

Turquoise C. Perlote, Ph.D., Agriculture Specialist

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences

Accomplishments: serves as a Natural Resource



Specialist for the United States Department of Agriculture- Natural Resources Conservation Service (USDA-NRCS). Turquoise holds a Ph.D. in Environmental Science from Jackson State University (JSU)

in Jackson, Mississippi, where her dissertation focused on the bioaccumulation of arsenic and zinc in Eastern oysters at the Northern Gulf of Mexico. She has published several editorial reviews, peer-reviewed articles, book chapter of her dissertation research. During her graduate career, she traveled to Bangalore, India and completed a summer internship at the University of California Santa Barbara.

Jelani Zarif, Ph.D., Assistant Professor

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences



Accomplishments: Dr. Jelani Zarif is currently an Assistant Professor of Oncology at the Johns Hopkins School of Medicine - Sidney Kimmel Comprehensive Cancer Center. He is also a member of the

Bloomberg- Kimmel Institute for Cancer Immunotherapy. His research focuses principally on prostate cancer immunology and identifying the molecular mechanisms by which host immune cells contribute to prostate cancer metastasis. He earned both his B.S. and M.S. degrees from Jackson State University and completed his M.S. thesis in the lab of Dr. Stephen Ekunwe while a part of the NSF-Bridges to the Doctorate program. Dr. Zarif received his Ph.D. in Cell and Molecular Biology from Michigan State University. He has been the recipient of several prostate cancer research awards.

Melanie R. McReynolds, Ph.D.
Research Fellow

(Mississippi). Mississippi LSAMP (Alcorn State University)

Biological Sciences



Accomplishments:

Current position: Postdoctoral Research Fellow at Princeton University.

Why innovating/trailblazing: I've spent the last decade elucidating the biosynthesis and consumption routes for the metabolite NAD, and decline of NAD is associated with aging and disease. Uncovering the how and why of metabolic decline during aging is the ideal niche for me as I build my independent career. I'm passionate about tackling the academy and tenure process. Representation matters. It is important for the world to see people like me doing this caliber of research.

Representation matters. It is important for the world to see people like me doing this caliber of research.

Antoneicka Harris, Ph.D.

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences

Accomplishments: Dr. Antoneicka Harris graduated from Jackson State University with her bachelor's degree in Biology in 2009. Her Master's degree in Biology/Biological Sciences in 2012. She received her doctoral degree in Biomedical Sciences-Clinical and Translational Science in

2018 from Mayo Clinic Graduate School of Biomedical Sciences. She was a graduate research assistant during her study in Mayo Clinic Graduate School of Biomedical Sciences 2012-2018. She joined Fannin Innovations Studio as a Therapeutics Commercialization intern. Currently she is a Clinical Research Program Coordinator at MD Anderson Cancer Center since 2018.



Sakeli Hall, Ph.D.

(Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences



Accomplishments: Dr. Sakeli Hall graduated from Tougaloo College with her bachelor's degree in Biology. She received both her Master's in Biology and doctoral degrees in

Environmental Science from Jackson State University. She is a dedicated and enthusiastic professional with experience in basic cellular and molecular biology research. Environmental Scientist in cancer research. She worked as an Associate Scientist at EAG Laboratories 2017-2019. Currently she is a Staff Scientist at Eurofins since 2019.

Edwin Dillion, Jr. Ph.D., Assistant Professor
Computer Science

(Mississippi). Mississippi LSAMP (University of Mississippi)

Computer and Information Sciences



Accomplishments: Assistant Professor Computer Science and Information Systems (CISE), Morgan State University
Accomplishments: He received his bachelor's degree from the University of Mississippi and

was a strong participant of the LSAMP program. Dr. Dillion takes the transfer of knowledge to his students seriously. He has publications in Social Computing, Human-Centered Computing and Computer Science Education. He prides his success in science from participating in the Bridge to Doctorate at the University of Alabama.

Dr. Cornelius Toole, Assistant Professor

(Mississippi). Mississippi LSAMP (Jackson State University)

Computer and Information Sciences



Accomplishments: Dr. Toole graduated from Jackson State University with his bachelor's degree in Computer Sciences. He received his doctoral degree from Louisiana State University and Agricultural and Mechanical

College in Computer Science in 2012. He worked as an Assistant Professor of Computer Science in Tougaloo College from 2012 to 2015, then as an Adjunct Instructor at Jackson State University from 2015 to 2016. He teaches courses in basic to advance computer literacy and introductory computer programming. Currently he is a software Engineer at Zenoss since 2016. He is mainly responsible for developing features and bug fixes.

Dr. Kylie Nash, Information Officer

(Mississippi). Mississippi LSAMP (Jackson State University)

Computer and Information Sciences

Accomplishments: Dr. Nash graduated from Jackson State University with her bachelor's degree in Computer Science in 2005. She received her doctoral degree from Mississippi State University in Industrial Engineering in 2012. She worked as LSAMP Math Instructor at Jackson State



University in 2012. She worked as an assistant Professor of Computer Science at Lane College from 2012 to 2013. She moved to Alabama Agricultural and Mechanical University in 2013 as a Director of the Web & IT Communications Unit. Currently she is an Assistant Chief Information Officer at Alabama Agricultural and Mechanical University since 2019.

Amber Johnson, Ph.D., Entrepreneur

(Mississippi). Mississippi LSAMP (Jackson State University)

Computer and Information Sciences



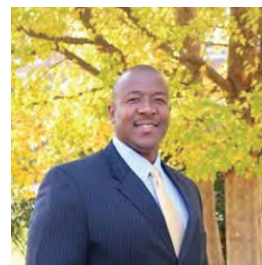
Accomplishments: Software Engineer, Northrop Grumman The first African American Lady to receive her PhD in computer science. By incorporating Big Data, she was able to extract information to determine the most effective times and doses

of medication to treat life-threatening COPD. She gathered data by teaming with Purdue's engineering center and scientists. Now, the results have a "much greater impact than I ever imagined by calculating how soon we should give antibiotics and for reviewing historical data to determine the best treatment.

Germain McConnell, PhD, - Executive Director

(Mississippi). Mississippi LSAMP (University of Mississippi)

Engineering and Cyber Security Sciences



Accomplishments: Currently, serves as Executive Director (Superintendent) for the Mississippi School for Mathematics and Science (MSMS) where he has served for almost 9 years, the first 2 years as

Director for Academic Affairs (Principal). Under his leadership, MSMS has been identified as the 6th best public high school in America for two consecutive years with the number 1 faculty in the nation for three consecutive years, according to Niche. MSMS is a part of the National Consortium for Secondary STEM Schools (NCSSS), an organization in which Dr. McConnell serves as the President-elect. He began his career as a Secondary Mathematics teacher at Rosa Fort High School in Tunica County High School and worked in higher education for 11 years at the University of Mississippi in the School of Education.

Sharon Lay Perry, Entrepreneur

(Mississippi). Mississippi LSAMP (University of Mississippi)

Engineering and Cyber Security Sciences



Accomplishments: 1996 General Engineering Graduate from University of Mississippi
1996 Ronald McNair Fellow
Owner/Manages a Nationally Accredited Texas Registered Private School managing over \$10M in assets. The school introduces STEM activities to students as young as 2 years old. Currently Advisory Board Member for City of San Antonio Child Care Services. Formerly a Design Engineer for General Electric. Spent 15 years in Telecommunications as Project/Product Manager, Business Development and Procurement Manager with Motorola and Nokia Completed Master Certificate in Project Management from George Washington University Certified Six Sigma Green Belt

Dudley Moore, Ph.D. Candidate

(Mississippi). Mississippi LSAMP (University of Mississippi)

Engineering and Cyber Security Sciences

Accomplishments: Dudley is currently a Doctoral Candidate in the Mechanical Engineering Department at The University of Alabama. Bridge to Doctorate – University of Alabama. His notable efforts are mentoring and coaching students and adults with succeeding academically and professionally. Mr. Moore became a Bridge to Doctorate Fellow, Ronald E. McNair Fellow, and Southern Regional Education Board Fellow and received a SEMA Award, John Deere Award, and National Society of Black Engineers Volunteer Award. Dudley is a trailblazer because despite coming from the second most poverty-stricken county in Mississippi, he has always set the tone for striving for success.



Tamara Crawford, M.S., Manager

(Mississippi). Mississippi LSAMP (University of Mississippi)

Engineering and Cyber Security Sciences

Accomplishments: Tamara Crawford is the Manager for the Lab Hardware Integrated Fighter Group (IFG) Systems Integration Labs (SILs). She received the 2016 Black Engineer of the Year (BEYA) Special Recognition Award for Career Achievement, 2014 BEYA Science Spectrum Trailblazer Award, 2009 Women of Color Technology Rising Star Award and awarded multiple times for The President’s Volunteer Service Award. She was also inducted into the Ole Miss Alumni Hall of Fame as the 2009 Outstanding Young Alumni of the Year. Tamara was the Event Coordinator for the TAME Statewide STEM competitions hosted and sponsored by Lockheed Martin in 2014 and 2015.



Dr. Ja’Wanda Grant, Ph.D., Director

(Mississippi). Mississippi LSAMP (University of Mississippi)

Engineering and Cyber Security Sciences

Accomplishments: She currently serves as the Founding Director of Xavier Exponential, an honors experience at Xavier University of Louisiana (XULA). Dr. Grant completed her post-doctoral training at NYU in the Department of Environmental Medicine. . Dr. Grant has held various administrative roles in higher education over the past decade.). Additionally, she supports institutional partnerships for pathways to graduate and professional programs, coordinates advising for nationally competitive scholarships and awards, and coordinates the distinguished Provost Speaker Series.

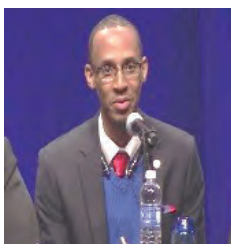


Dr. Justin Rice, Engineer

(Mississippi). Mississippi LSAMP (Jackson State University)

Engineering and Cyber Security Sciences

Accomplishments: Dr. Justin Rice is a research engineer at the NASA Goddard Space Flight Center.



Dr. Rice was the first computer-engineering alumnus from Jackson State University to receive a Doctorate degree from Louisiana Tech in 2013. He operates the Goddard Dynamic Simulator (GDS)

Deep Space Climate Observatory (DSCOVR) technical lead, in the Flight Software Systems Branch at NASA Goddard Space Flight Center (GSFC) in Greenbelt, Maryland. He received his B.S. (2006) and M.S. (2008) in computer engineering from Jackson State University (JSU).

Dr. Miguel Gates, Engineer

(Mississippi). Mississippi LSAMP (Jackson State University)

Engineering and Cyber Security Sciences



Accomplishments: Dr. Miguel Gates is the program chair of Cyber Engineering at Louisiana Tech University for Cyber Engineering since 2013. He graduated from Jackson State University with his bachelor's

degree in Computer Engineering in. From Batesville, Mississippi and South Panola High. He earned his B.S. in computer engineering from Jackson State in 2006 and his M.S. there in 2008. Then he moved to Ruston to pursue his Ph.D. in engineering with a concentration in Cyberspace, a goal he completed in 2013 from Louisiana Tech University. Gates is adviser to the National Society of Black Engineers (NSBE) and the Association of Cyber Engineers (ACE).

Terrance West, Ph.D. Chief of the Missile Technology Division

(Mississippi). Mississippi LSAMP (Mississippi State University)

Engineering and Cyber Security Sciences



Accomplishments: After graduation, Dr. West began his pursuit of higher education at Mississippi State University. He currently is serving in an acting role as the Chief of the Missile Technology Division with the U.S. Army Aviation and Missile

Research Development and Engineering Center. As the Chief of the Missile S&T Plans and Programs Branch. Dr. West served as the Technical Manager for Missile S&T and was responsible for the managing, planning, executing, and tracking of at least \$100M of the Missile S&T Enterprise budget and \$85M in Congressional Adds .

Dr. Felecia M. Nave, College President

(Mississippi). Mississippi LSAMP (Alcorn State University)

Engineering and Cyber Security Sciences

Accomplishments: Dr. Felecia M. Nave was selected as the 20th President and 1st female President of Alcorn State University on July 1,



2019. Dr. Nave is a 1996 alumna of Alcorn. Dr. Nave is a trailblazer in STEM education and higher education leadership. Dr. Nave is a 1996 Alcorn alumna with a BS in Chemistry. She has her PhD in Engineering (Chemical) from the University of Toledo. She is a

member of the American Institute of Chemical Engineers, American Chemical Society, American Society for Engineering Education, and American Association of Blacks in Higher Education, Business Honor Society, and Tau Beta Sigma.

Dr. Nashlie Sephus, Leader Amazon Visual Search & AR Atlanta Team

(Mississippi). Mississippi LSAMP (Mississippi State University)

Engineering and Cyber Security Sciences



Accomplishments: At Mississippi State University she received a Bachelor of Science degree in (2007) in electrical and computer engineering (ECE) and graduated from Georgia Tech with her master's in 2010 and her Ph.D. in 2014, all in ECE. Dr. Nashlie Sephus leads the Amazon Visual Search

& AR - Atlanta team, which launched visual search for replacement parts on the Amazon Shopping app. She serves as the Applied Science Manager for Amazon Web Services and is the Founder and CEO of The Bean Path non-profit organization based in Jackson, MS.

Renita Horton, Ph.D., Assistant Professor

(Mississippi). Mississippi LSAMP (Mississippi State University)

Engineering and Cyber Security Sciences



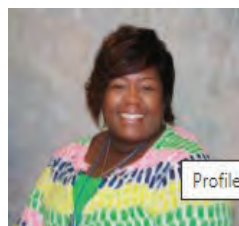
Accomplishments: Currently an assistant professor in the biomedical engineering at the University of Houston. Dr. Horton previously served as assistant professor of agricultural

and biological engineering at Mississippi State University (MSU), While at MSU, she established the Cardiovascular Tissue Engineering Laboratory. Dr. Horton received her bachelor's degree in chemical engineering from MSU in 2005 and master's and doctoral degree from Harvard in engineering sciences. She first became affiliated with Harvard when she participated in a Research Experience for Undergraduates summer program.

**Rosalyn Johnson –Brockman, Ph.D.
District Technology and Test Coordinator for
Hollandale School District**

(Mississippi) Mississippi LSAMP (Jackson State University)

Biological Sciences



Dr. Rosalyn Johnson-Brockman graduated from Rust College with her bachelor's degree in Computer Science in 2008. Her Master's degree in Computer Science from Jackson State University in

2010. She received her doctoral degree from Nova Southeastern University in Educational Technology in 2015. She is an Education Specialist in Computer, Information Technology, Administrating and Management. She is currently a District Technology.

**Jacqueline McComb, Ph.D.
Director of Mississippi River Research Center &
Assistant Professor of Environmental**

and Test Coordinator for Hollandale School District. (Mississippi). Mississippi LSAMP (Jackson State University)

Biological Sciences

Dr. McComb graduated from Alcorn State University



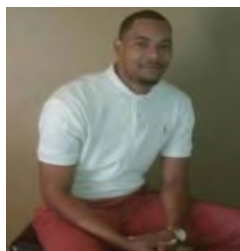
with her bachelor's degree in Plant and Soil Science. She received her doctoral degree from Jackson State University in Environmental Science, Biogeochemistry in 2016. She was

a Laboratory Coordinator/ NOAA-ESC Fellow Training student members and supervising students.

Carvey Patterson, Ph.D.
EPA Scientist

(Mississippi) Mississippi LSAMP (Jackson State University)

Biological Sciences



Dr. Carvey Patterson graduated from Jackson State University with his bachelor's degree in Biology in 2008, and his Master's degree in Biological Studies in 2010. He received his doctoral degree from Jackson State University in

Environmental Science. His interest is in targeting signaling systems with the ultimate goal of understanding the interaction by xenobiotics (endocrine disruptors), and the mechanisms of tumor promotion targeting the EMT mediated pathways in the foregut specifically the pancreas. Currently, he is an EPA Scientist at PharmMEDium Services since 2017.

Crystal Boston, Ph.D.

(Mississippi) Mississippi LSAMP (Jackson State University)

Computer Science



Dr. Crystal Boston received her bachelors and master's degree from Jackson State University. She attended Indiana University where she received her doctoral degree in Human Computer

interaction. She was accepted into the prestigious Informatics Graduate Fellowship program at Indiana University in 2013. She worked on updating the master patient index, the design and evaluation of their electronic medical records as well as training staff on how to properly use these new systems.

Cendricka Dates, Ph.D.
Postdoctoral Fellow University of Alabama

(Mississippi) Mississippi LSAMP (Jackson State University)

Biological Sciences



Dr. Centdrika Dates graduated from Alcorn State University with her bachelor's degree in Biology in 2008. Her Master's degree from Jackson State University in Biology in 2010. She received her doctoral degree from the University of

Arkansas for Medical Sciences in Biology in 2015. Currently, she is a Postdoctoral Fellow/MERIT Scholar at The University of Alabama at Birmingham since 2015.

Teresa Demeritte, Ph.D.
Program Coordinator & Adjunct Faculty,
Department of Chemistry

(Mississippi) Mississippi LSAMP Jackson State University

Mathematics and Physical Science



Dr. Teresa Demeritte graduated from Jackson State University with her bachelor's degree in Chemistry and Biology in 2007, and her Master's degree in Biochemistry. She received her doctoral degree from Jackson State

University in chemistry and Biochemistry. Currently, she is a program coordinator and adjunct faculty in the Department of Chemistry and Physics at Jackson State University.

Greater Alabama Black Belt Region Louis Stokes Alliance for Minority Participation (GABBR LSAMP)

Alabama

PI: Dr. Overtoun Jenda, jendaov@auburn.edu

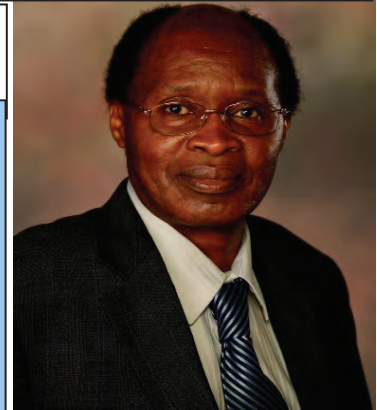
Co-PIs:

Gary Branch, gbranch@suscc.edu

Dr. Govind Menon, gmenon@troy.edu

Dr. Carl Pettis, cpettis@alasu.edu

Dr. Mohammed Qazi, mqazi@tuskegee.edu



Institutional Partners:

**Alabama State University, Auburn University, Auburn University Montgomery,
Enterprise State Community College, Southern Union State Community College,
Troy University, Tuskegee University, University of West Alabama**

Christine Barrow, Ph.D., Howard University (Washington, D.C.)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Dean of the Division of Sciences, Technology, Engineering, and Mathematics at Prince George's Community College (PGCC), Largo, MD. [BIO]



Accomplishments: MARC scholar, Pre-IRTA Research Fellow at NIH NIDDK, MBRS Fellow, Professor and Department Chair of Biological Sciences at

PGCC, Executive Committee for Northeast Association of Advisors for the Health Professions, Faculty Senate Excellence Award (PGCC), President's Medal (PGCC' highest honor), Named among the 50 Leading Women – Maryland's Future 2010 (The Daily Record), National Institute for Staff and Organizational Development Excellence Award.

Kevin Bolden, D.D.S., Meharry Medical College, School of Dentistry (Tennessee)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently an accomplished dentist in Atlanta, GA. [BIO]



Accomplishments: Omicron Omicron Chapter of Omicron Kappa Upsilon National Dental Honor Society Certificate and Letter of Honor, Member of the American Dental

Association, National Dental Association, and the Academy of General Dentistry, Clinical Professor at Meharry Medical College, Arizona School of Dentistry and Oral Health, and NYU Lutheran Medical Center.

Moncenyia Chatman, M.D., University of Alabama at Birmingham School of Medicine (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Obstetrician/Gynecologist/Maternal-Fetal Medicine Specialist in Houston, TX. [BIO]



Accomplishments: Maternal-Fetal Medicine Fellowship at Wake Forest University School of Medicine, Finney/Akers Memorial Award for Outstanding Service in

Obstetrics/Gynecology, Resident Research Award – Dept. of Obstetrics and Gynecology – East Tennessee State University, Resident Research Award – Organon USA, Inc., Fellow of The American College of Obstetricians and Gynecologists, one publication.

Jacquelyn Collins-French, O.D., University of Alabama at Birmingham (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently an optometrist at Dr. Jacquelyn Collins and Associates located inside LensCrafters, Huntsville, AL. [BIO]



Accomplishments: O.D. from University of Alabama at Birmingham School of Optometry, M.S. in Tumor Biology from Tuskegee University, and B.S. in Biology from Tuskegee University, LSAMP scholarship, three LSAMP summer internships,

one publication in a peer-reviewed journal.

Sheritta Cooks-Fagbodun, Ph.D., Tuskegee University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Assistant Professor of Biology at Tuskegee University, Tuskegee, AL. [BIO]



Accomplishments:

Ph.D. in Integrative Biosciences from Tuskegee University, MS in Chemistry from University of Alabama at Birmingham, BS in

Biology and Chemistry from Tuskegee University, LSAMP Scholarship, LSAMP Bridge to the Doctorate Fellowship.

Jennifer Cunningham-Erves, Ph.D., M.P.H, University of Alabama at Birmingham (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Assistant Professor of Research at Meharry Medical College, Nashville TN. [BIO]



Accomplishments: Post-Doctoral Fellowship for Meharry-Vanderbilt Community Engaged Research Core, Expanding National Capacity in PCOR through Training (ENACT) Fellow, Leading Emerging

and Diverse Scientists to Success (LEADS) Fellow, LSAMP BD Fellowship, UAB LSAMP Scholar, UAB Ronald E McNair Scholar, Certified Health Education Specialist, Receipt of NCATS Diversity Supplement and K12 for Vanderbilt PCOR Career Knowledge, Education, and Training Program, 23 articles, 1 technical report, and 4 abstracts in peer-reviewed journals.

Danielle Franklin Speight, M.D., University of Alabama at Birmingham (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently a Pediatrician at Partners in Pediatrics, Montgomery, AL. [BIO]



Accomplishments:

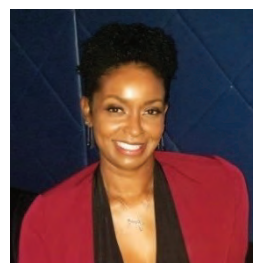
Tuskegee University Eminent Scholar and Annual Honor Roll, Beta Kappa Chi National Scientific Honor Society, Alpha Kappa Mu Honor Society, University of

Alabama at Birmingham School of Medicine Dean's Scholarship recipient, Member of the American Academy of Pediatrics and Alpha Kappa Alpha Sorority, Inc., B.S. in Biology from Tuskegee University, M.D. from University of Alabama at Birmingham, Pediatric Residency at Children's Hospital of Alabama.

Loleta Harris, Ph.D., University of Tennessee (Tennessee)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Clinical Operations Lead, Pfizer Oncology, Houston, TX. [BIO]



Accomplishments: Ralph R. Braud Young Investigator Award from the Memphis Cancer Society, AACR Minority Scholar Award in Cancer Research, Doctorate of

Molecular Pathology, University of Tennessee, Health Science Center.

M. Colby Hunter, Ph.D., Alabama State University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Assistant Professor of Biology in the Natural Sciences Department at Elizabeth City State University, Elizabeth City, NC. [BIO]



Accomplishments:

Ph.D. in microbiology from Alabama State University, M.S. in biology from Auburn University, B.S. in microbiology from New Mexico State

University, LSAMP Bridge to the Doctorate Fellow, NSF Alliance for Graduate Education and the Professoriate Scholar, Six publications in peer-reviewed journals. He designed the STEMate application for iOS, which has been downloaded over 1000 times.

Shernita Lee, Ph.D., Virginia Tech (Virginia)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently Assistant Dean and Director, Office of Recruitment, Diversity, and Inclusion-Graduate School at Virginia Tech, Blacksburg, VA. [BIO]



Accomplishments: Ph.D. in Genetics, Bioinformatics, and Computational Biology from Virginia Tech, BS in

Mathematics from Alabama State University, Ronald E. McNair Scholar, Initiative to Maximize Student Development Doctoral Fellowship, University of North Carolina at Chapel Hill Seeding Postdoctoral Innovators in Research and Education Fellowship, Co-founder of the North Carolina Women of Color Research Network, and five publications in peer-reviewed journals.

Makesha V. Miggins, M.D., Wake Forest University (North Carolina)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Assistant Professor of Breast Surgical Oncology, UT MD Anderson Cancer Center, Houston, TX. [BIO]



Accomplishments: Fellow American College of Surgeons, Fellow Breast Surgical Oncology, UT MD Anderson Cancer Center, NIH T32 Research Fellow, MBRS Program Scholar, Gold Humanism Honor

Society Inductee, Society of Teaching Scholars Resident Award, Hugh Hill Outstanding Resident Teacher Award, Hugh M Walters Humanism in Medicine Award, University of Florida Dept. of General Surgery Outstanding Resident Teacher Award, 8 publications in peer-reviewed journals, First Black female graduate of the general surgery residency program at the University of Florida, Gainesville.

Obinna Nnedu M.D., M.P.H., University of Alabama at Birmingham (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Infectious Diseases physician and program director for the infectious diseases fellowship program at Ochsner Clinic Foundation, New Orleans, LA. [BIO]



Accomplishments:

Residency at Tulane University School of Medicine, Infectious diseases fellowship at University of

Washington, Fogarty International Clinical Fellow, Certificate in Tropical Medicine.

Stephen O. Nurse-Findlay, M.D., M.P.H, Johns Hopkins University (Maryland)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Team Lead, Control and Resource Strategies. Antimicrobial Resistance Division, WHO HQ, Geneva, Switzerland. [BIO]



Accomplishments:

Featured in Al Jazeera programme on vaccine availability in rural Niger, University of Geneva MBA Merit Scholar, Harriet Strong

Foundation Scholar, Finalist – Fulbright Scholarship, Travelling Fellowship/Crozer Delegate - American Academy of Paediatrics National Convention, Kaiser Permanente Scholar, International Exchange Student Fellowship - Saitama Medical School - Japan, First Tuskegee University undergraduate to graduate from the MD/MPH Programme at Johns Hopkins University, Tuskegee University Presidential Scholar, numerous publications.

Kemka Ogburia, M.D., University of South Alabama (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently a Board Certified Mohs Micrographic Surgeon at The Dermatology Group, P.A., Mt. Dora, FL. [BIO]



Accomplishments: Mohs Micrographic Surgery fellowship from Northwestern Skin Cancer Institute, Chicago, IL, Dermatology residency, Howard University Hospital; Washington D.C.

Chief resident: 2006-2007., B.S. Degree in Microbiology from Auburn University - Auburn, AL.

C. Camille Okekpe, D.O., University of Pikeville (Kentucky)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Maternal Fetal Medicine Fellow at Arrowhead Regional Medical Center-Colton, Department of Obstetrics and Gynecology, CA. [BIO]



Accomplishments: M.S. and B.S. from Auburn University, AL in Biological Sciences; LSAMP Bridge to the Doctorate Fellow, Most Distinguished Student from University of Pikeville in Pikeville, KY. Completion of Obstetrics and Gynecology

Residency Program at St. John's Episcopal Hospital in Far Rockaway, NY Board Certified Fellow American College of Osteopathic Obstetricians and Gynecologists. She is the first black female Maternal Fetal Medicine Fellow at Arrowhead Regional Medical Center.

Makeecha Reed-Crawford, M.D., Wake Forest University (North Carolina)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently a Family Medicine Physician, practicing in Charlotte, NC. [BIO]



Accomplishments: Doctorate of Medicine from Wake Forest University School of Medicine, BS in Biology from Tuskegee

University, Community Youth Mentor, NC Real Estate Licensee and Entrepreneur.

Melissa L. Rudolph, D.D.S, Meharry Medical College, School of Dentistry (Tennessee)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Orthodontist, Austin, Texas, [BIO]



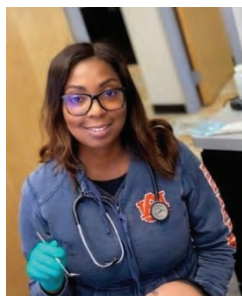
Accomplishments:
Residency at Howard University College of Dentistry, The American Association of Orthodontics Award, The American Academy of Oral Medicine

Certificate of Merit Award, The Quintessence Publishing Company Restorative Dentistry Award, The Orthodontics Academic Achievement Award. BSc in Biology from Tuskegee University. LSAMP Scholar.

Charmaine L. Thompson, D.D.S., University of North Carolina at Chapel Hill (North Carolina)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently a Board-Certified Pediatric Dentist, Smile Workshop and Blue Cloud Surgery Center, Dallas-Fort Worth, TX. [BIO]



Accomplishments:
Pediatric Dentist Certificate, Texas A&M College of Dentistry (Baylor College of Dentistry), MS in Health Professions Education, Texas A&M College of

Dentistry, MS in Molecular Biology, Auburn University, BS in Biology, Auburn University, LSAMP Bridge to Doctorate Fellowship, Outstanding Minority Graduate - Auburn University, 1 publication.

Lacedric Tolliver, D.M.D., Tufts University (Massachusetts)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Lead Dentist, Dallas, TX. [BIO]



Accomplishments: Tufts University Dean Scholar, Auburn University College of Science and Mathematics Scholar and Dean's List, Auburn University LSAMP Scholar, Texas Dental

Association, American Dental Association, Dallas Dental Society.

Andreia Williams White, D.O., University of Pikeville (Kentucky)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently a Family Medicine Physician in rural Alabama. [BIO]



Accomplishments:
Doctorate in Osteopathic Medicine from University of Pikeville - Kentucky College of Osteopathic Medicine, Cahaba

Family Medicine Residency - past chief resident, Alabama Medical Education Consortium Tuition Scholarship recipient, Humanism in Medicine Award, Sigma Sigma Phi Medical Society, 3 Publications in Evidence-Based Practice Journal, B.S. in Biology (cum laude) from Tuskegee University, UNCF Scholar.

Latasha (Sellers) Williams, M.D., Wake Forest University (North Carolina)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)



Currently Pediatrician, The Permanente Medical Group, Kaiser Permanente, Santa Clara, CA. [BIO]

Accomplishments: Ronald McDonald House Charities/United Negro

College Fund Medial Scholar Award, Thurgood Marshall Scholar, Tuskegee University Dean's List and Presidential Scholar, Dr. James H. M. Henderson Award for Outstanding Student in Biology – Tuskegee University, Gold Humanism Honor Society, WFUSM Excellence in Pediatrics Award, Pediatric Residency at Stanford University, where she was chosen for the Pediatric Clerkship Teaching Honor Roll and was a founding member of the Resident Committee on Diversity.

Curtis C. Cain, Ph.D., The Pennsylvania State University (Pennsylvania)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)



Currently Assistant Professor of Information Systems and Supply Chain Management, Affiliate Professor of Electrical Engineering and Computer Science, Howard University, Washington, D.C.

[CISE]Accomplishments: M.S. in Computer Science and Software Engineering from Auburn University, B.S. in Information Systems Engineering from Johnson C. Smith University, NSF LSAMP BD Fellowship, NSF Graduate Research Fellowship, Google-Howard West, Google Faculty-in-Residence, Woodrow Wilson Course Hero Fellowship, two publications in peer-reviewed journals and over 12 publications.

James Morris-King, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Senior Computer Scientist, MITRE Corporation, Bedford, MA [CISE]



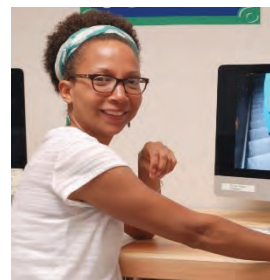
Accomplishments: Ph.D. in Computer Science from Auburn University, BS in Computer Science and Software Engineering from Rensselaer Polytechnic Institute, Post-doctoral research at Army Research

Lab, Author of over a dozen papers and technical reports, Active consultant for cyber-autonomy and social automation technologies.

Michele A. Williams, Ph.D., University of Maryland Baltimore County (Maryland)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Owner, M.A.W. Consulting, LLC, Accessibility Consulting, Charlotte, NC. [CISE]



Accomplishments: Ph.D. In Human-Centered Computing from UMBC, MSWE (Master's of Software Engineering) from Auburn University, BS in

Computer Science from Bowie State University, Generation Google Scholarship, LSAMP BD Fellowship, NSF Model Institutions of Excellence Fellowship, 8 peer-reviewed conference publications and several domestic and international speaking engagements.

Kristalyn M. Lee, Ed.D., J.D., University of Alabama (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Associate Vice President for Administration and Liaison to the Board of Trustees, University of Montevallo, Montevallo, AL. [EDU]



Accomplishments: Ed.D. and Juris Doctorate degrees from the University of Alabama, B.S. in Microbiology from Auburn University as an LSAMP Scholar. Before her current position, Dr.

Lee served as Director of Executive Affairs at Montevallo University, a middle school science teacher, developmental instructor, and college recruitment/retention counselor.

Dayna Smithers, Ed.D., East Tennessee State University (Tennessee)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Course Instructor II in the Mathematics Center at Western Governors University, Wilmington, NC. [EDU]



Accomplishments: Ed.D. in Educational Leadership from East Tennessee State University, MS in mathematics from East Tennessee State University, BS in mathematics from

Auburn University, AMATYC Project ACCESS Fellow, Tennessee Board of Regents Maxine Smith Fellow, Northeast State Community College President's Targeted Leadership Development Program Participant for 5 years, and a Western Governors Emerging Leader Participant.

Marcus Elliot Vandiver, Ed.D., Alabama State University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently an education administrator for the Alabama State Department of Education, Montgomery, AL. [EDU]



Accomplishments:

Education Doctorate in Educational Leadership, Policy and Law, MS in Secondary Mathematics Education, and BS in Chemistry from

Alabama State University, Member of the first cohort of ASU's ELPL doctorate program and full scholarship recipient, Outstanding Dissertation Award from the International Society of Educational Planning.

Quenton Bonds, Ph.D., The University of South Florida (Florida)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently the NASA Goddard Space Flight Center Deputy Center Technology Transition Lead (CTTL), Greenbelt, MD. [ENG]



Accomplishments:

PhD and MS in Electrical Engineering from The University of South Florida, BS in Mathematics (cum laude) from Alabama State University, NSF

Graduate Research Fellowship Program, NSF GK-12 Graduate Fellowship, McKnight Doctoral Fellowship, NASA Harriet Jenkins Predoctoral Fellow, Numerous grant/research awards, Supported NASA in creating technologies for applications such as CubeSats, Internet of Space, Astronaut Health Monitoring, Earth and Geoscience.

Rozlyn N. Chambliss, Ph.D., Tuskegee University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently a Materials, Process & Physics Engineer, The Boeing Company, Saint Louis, MO. [ENG]



Accomplishments: Ph.D. in Materials Science and Engineering, MS and BS in Chemistry from Tuskegee University, NSF LSAMP Bridge to the Doctorate Fellowship, NASA Graduate Student

Researchers Projects (GSRP) Fellowship, NASA Ames internship, Boeing St. Louis Valuing Diversity & Inclusion Influencing Award, 3 conference proceeding publications, 6 successful technical grant reports.

Christopher Duron, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently General Engineer, U.S. Army Space and Missile Defense Command-Technical Center, Huntsville, AL. [ENG]



Accomplishments: Ph.D., M.S and B.S. Mechanical Engineering from Auburn University, Science, Mathematics & Research for Transformation

(SMART) Scholarship, LSAMP Bridge to the Doctorate Fellowship, Walt and Virginia Woltoz College Level Fellow, President's Award for Outstanding Engineering Student, Mechanical Engineering Student Engineer of the Year, 13 papers presentations.

Michael Grady, Ph.D., University of South Florida (Florida)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently a Research Engineer/Research Faculty at the Georgia Tech Research Institute (GTRI), Atlanta, GA. [ENG]



Accomplishments: MS and BS in Electrical Engineering from Auburn University, NSF LSAMP Bridge to the Doctorate Fellowship, NSF Research Diversity Supplement (GRDS), GEM Fellowship, Alfred P. Sloan Minority

Ph.D. Scholarship, McKnight Doctoral Fellowship, IEEE MTT-S WAMICON Best Student Research Poster Award, IEEE MTT-S Graduate Fellowship for Medical Applications, Steering committee member for IEEE Project Connect at the IEEE MTT-S International Microwave Symposium (IMS).

Joshua Hale, Ph.D., Georgia Institute of Technology (Georgia)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently an operation research engineer in the supply chain intelligence and analytics group at Intel Corporation, Phoenix, AZ. [ENG]



Accomplishments: Ph.D. in Industrial and Systems Engineering from Georgia Tech, Bachelor of Industrial and Systems Engineering (summa cum laude) from Auburn University, Several strategic projects for Intel

in inventory planning, analytics strategy, and factory operations, author of published papers in engineering journals and conference proceedings on optimization and simulation techniques.

Justin O’Neal James, Ph.D., Prairie View A&M University (Texas)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Senior Systems Engineer for RF & Wireless Communications, ExoAnalytic Solutions, Huntsville, AL. [ENG]



Accomplishments: Ph.D. in Electrical Engineering, NSF Bridge to the Doctorate Fellow, Army Research Laboratory (ARL) Doctoral Fellow and Guest Researcher, 5 US Patents (filed and pending), 5

published technical papers, Math Engineering and Science Achievement (MESA) Industry Advisory Board, Alabama Space Grant Consortium (ASGC) Industry Advisory Board, DoD STEM Action Committee, and 2017 Black Engineer of the Year Award for Most Promising Engineer in Government.

CaLynna Nichols, Ph.D., Prairie View A&M University (Texas)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Security Researcher at Intel Corporation for the Intel Product Assurance & Security Group, Sacramento, CA. [ENG]



Accomplishments: Strengthening Historically Black Graduate Institutions (HBGI) Fellowship, Army Research Lab (ARL) Doctoral Fellow/Guest Researcher, LSAMP BD

Fellowship, 4 publications, former Security Champion for Cloud Security Solutions and Component Design Engineer at Intel, OpenStack Summit – Integrating Trust and Boundary Control with Kubernetes and Docker Featured Presenter and first Black female PhD graduate in Electrical Engineering from Prairie View A&M University.

Nicole L.H. Odum, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Research and Development scientist, AM/NS Calvert, Mobile, AL. [ENG]



Accomplishments: Ph.D. in Materials Engineering, Responsible for the introduction of at least 5 steel products into production at AM/NS Calvert, Traveled to Europe for ArcelorMittal

sister steel plant benchmarking exercises and PHS steel conferences, Mentors local high school students.

Vertonica Powell-Rose, Ph.D., Tuskegee University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Research & Development Packaging Process Engineer, Intel Corporation, Hillsboro, OR. [ENG]



Accomplishments: MS in Material Science & Engineering from Tuskegee University, BS in Mathematics from Fayetteville State University, BD Fellowship, NSF Graduate Fellowship,

MARC/AIM STEM Internship at Purdue University, Two time 1st place Award Recipient at the AAAS Conference (Graduate Level) in the Technology & Engineering Division, 2 conference publications, 1 publication.

Diane Render, Ph.D., Tuskegee University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently PWR Internals and Alloy 600 Fleet Engineer, Exelon Corporation, Kennett Square, PA. [ENG]



Accomplishments: Ph.D. and MS in Materials Science and Engineering from Tuskegee University, BA in Mathematics from Albany State University, FGLSAMP scholarship recipient, Enhancement of Research and Educational

Infrastructure in Materials Science and Engineering at Tuskegee University, NSF-RISE Grant, and 3 publications in peer reviewed journals.

Gregory Strawder, Ph.D., Tuskegee University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently a Materials and Process Engineer with The Boeing Company, Mesa, AZ. [ENG]



Accomplishments: Ph.D. in materials science and engineering from Tuskegee University, MS in mechanical engineering from Tuskegee University,

BA in mathematics from Albany State University, LSAMP BD Fellowship, IGERT Graduate Fellowship, and ONR Graduate Fellowship. Awarded multiple merit awards for projects implementing technologies on commercial aircraft, as well as a pending patent for research and development efforts for aircraft in-service field repairs.

Carma Oshea Cook, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Assistant Professor of Chemistry, Chattanooga State Community College, Chattanooga, TN. [MPS]



Accomplishments: Ph.D. in Chemistry with a focus in Biochemistry from Auburn University, BS in Chemical Engineering from Auburn University, LSAMP BD Fellowship, NSF GK-12 Fellowship,

Auburn University College of Sciences and Mathematics Graduate Research Award, four publications in peer-reviewed journals.

Jimmy Cowan, Ph.D., Florida Institute of Technology (Florida)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently a Software Engineer, Harris Corporation; Adjunct Professor, Eastern Florida State College and University of Central Florida. Melbourne, FL. [MPS]



Accomplishments: Ph.D. in Applied Mathematics from Florida Institute of Technology, MS in Computer Science and Software Engineering from Auburn University, BS in Computer Science

from Alabama State University, LSAMP BD Fellowship, Phi Kappa Phi Honor Society, Who's Who Among Students Recipient, Beta Kappa Chi Scientific Honor Society, All American Scholar Recipient, United States Achievement Academy Honoree, Several publications in peer-reviewed journals.

Katarena I. Ford, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Inside Instrument Sales Specialist, Water's Corporation, Milford, MA. [MPS]



Accomplishments: NIH Diversity Supplement Grant, LSAMP BD fellowship, GEM University Fellow, President's Graduate Opportunities Program Fellowship, 3 journal publications, 1 book

chapter published, and 1 U.S Patent Application. Serving as chair of student development with the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE).

Michelle J. Foster, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently Associate Professor of Mathematics and Interim Chair of the Department of Mathematics and Computer Science, Alabama State University, Montgomery, AL. [MPS]



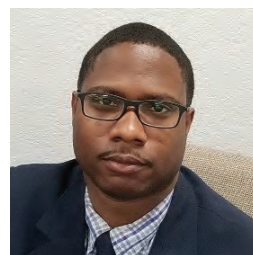
Accomplishments: Ph.D. in Mathematics and Master of Applied Mathematics from Auburn University, BS in Mathematics from Alabama State University, SREB Doctoral Scholars

Program Fellow, Alabama LSAMP Scholar, Alabama State University Presidential Scholar, Thurgood Marshall College Fund Scholar, ASU Senior Personnel on NSF INCLUDES and AASD-STEM grants, Program Coordinator for ASU's National Summer Transportation Institute (NSTI) and UNITE.

Cadavious M. Jones, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently Associate Professor of Mathematics, Alabama State University, Montgomery, AL. [MPS]



Accomplishments: LSAMP Bridge to the Doctorate Fellowship, SREB Southern Regional Education Board Fellowship, 2014 ASU All-Star Faculty Award, 7 publications in peer-

reviewed journals, First ASU faculty member to receive a NASA grant for his work with ASU's NASA Human Exploration Rover Challenge Engineering Project, 2018 contributor to the Australian Mathematics Trust, Member of the SAMSA-Masamu Program's Collaborative Research Network in mathematical sciences.

Kimberly D. Kendricks, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Director of Strategic Initiatives for Faculty Success in the Office of Faculty Affairs at the University of Nevada, Las Vegas. [MPS]



Accomplishments: Ph.D. in Mathematics, Founding Director of the Center for Human Performance and Sensor Applications, Executive in Leadership in Academic Technology and Engineering Fellow,

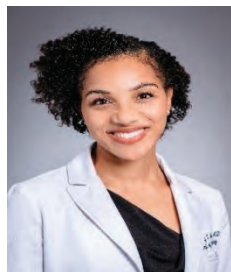
American Society for Engineering Education Fellow, NSF GK-12 Fellow, LSAMP BD Fellow, 21 publications in peer-reviewed journals, 10 published mathematics book reviews, 44 presentations and invited talks.

Tiffany Mayo, M.D., Baylor University (Texas)

Greater Alabama Black Belt Region (GABBR)

LSAMP (Tuskegee University)

Currently Assistant Professor of Dermatology, University of Alabama at Birmingham, Birmingham, AL. [MPS]



Accomplishments: BS in Chemistry/ Mathematics, MS in Chemistry from Tuskegee University, LSAMP BD Fellow, Preliminary medicine internship from McGaw

Medical Center of Northwestern University, Dermatology residency from University of Alabama at Birmingham, NIH Diversity Supplement awardee, 7 publications in peer-reviewed journals, 2 book chapters. She is one of only five black board-certified dermatologists in Alabama.

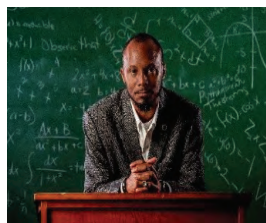
Carl S. Pettis, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)

LSAMP (Alabama State University)

Currently Interim Provost and Vice President for Academic Affairs, Professor of Mathematics at Alabama State University, Montgomery, AL. [MPS]

Accomplishments: LSAMP BD Fellow, Southern Regional Education Board (SREB) Dissertation Fellow, 2010 STEM Faculty of the Year Recipient, Torchbearers Leadership Class III



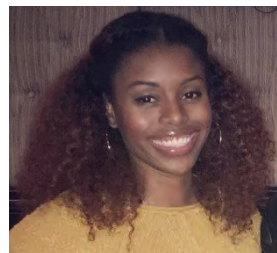
Participant, Alabama Leadership Initiative Participant, author or co-author of 8 publications in peer reviewed journals, PI or Co-PI for more than 30 federally funded projects/initiatives, First graduate of the Alabama LSAMP BD Program.

Erika Smith, D.M.P., Vanderbilt University (Tennessee)

Greater Alabama Black Belt Region (GABBR)

LSAMP (Tuskegee University)

Currently a Clinical Medical Physicist at Arizona Center for Cancer Care, Scottsdale, AZ. [MPS]



Accomplishments: Doctor of Medical Physics (DMP) from Vanderbilt University, B.S. in Physics from Tuskegee University, LSAMP scholarship,

Raytheon Scholarship, Lockheed Martin Scholarship, Lehigh University REU summer intern, Nucor intern. She is the first black female D.M.P. to graduate from Vanderbilt University.

Kevin Tolliver, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)

LSAMP (Auburn University)

Currently Assistant Survey Director for Housing Surveys at the U.S. Census Bureau, Washington, D.C. [MPS]

Accomplishments: Ph.D. in mathematics with a concentration in Statistics, presented at



various international and domestic conferences including European Survey Research Association (ESRA), Methodology on Longitudinal Studies (MoLS), International

Conferences of Establishment Surveys (ICES), International Workshop of Applied Probability, American Association of Public Research (AAPOR), Joint Statistical Meetings (JSM), 4 publications in journals or proceedings.

Tracey Andrew Tullie, Ph.D., North Carolina State University (North Carolina)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently Quantitative Analytics Manager, Wells Fargo Bank, Charlotte, NC. [MPS]



Accomplishments: Ph.D. and M.S. in Applied Mathematics from North Carolina State University, B.S. in Mathematics from Alabama State University, LSAMP

internship recipient, Journal publication in Quantitative Finance, recently promoted to Managing Director, managing a team responsible for supporting mathematical models applied in risk management within investment banking.

Maya West, Ph.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently a Nuclear Safety Engineer Specialist at the Y-12 National Security Complex, Oak Ridge, TN. [MPS]



Accomplishments: PhD in Chemistry from Auburn University, B.S. Degree in Chemistry from Armstrong Atlantic State University, LSAMP BD Fellowship recipient, Auburn University

President's Graduate Opportunity Program (PGOP) Fellowship recipient, 2019 ACS Volunteer of the Year for the Auburn Chapter.

Tameka Walker, Ph.D., University of Alabama in Huntsville (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently General Supervisor/Toxicologist at Apex Diagnostic Lab, Huntsville, AL. [TECH]



Accomplishments: Ph.D. in biotechnology and MS in chemistry from the University of Alabama in Huntsville, BS in chemistry from Alabama State University, ASU Academic Scholarship,

LSAMP BD Fellowship, American Chemical Society Organic Division Graduate Fellowship, American Association of Blacks in Higher Education Doctoral Student National Grant, BEST Symposium Dow Chemical Company award, 22 publications in peer-reviewed journals, and a member of Alpha Kappa Alpha Sorority, Incorporated.

Christy Jackson Bright, Pharm.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Pharmacy Manager for Acme/Sav-On Pharmacy and Preceptor, Temple University School of Pharmacy, Philadelphia, PA. [OTH]



Accomplishments: Gates Millennium Scholar, Auburn University Trustee Scholarship, SNPhA Achievement Award, Executive Top Contributor, 20 articles and presentations, Acme

Top in Sales, Most Targeted Interventions company-wide, Immunization Captain.

JaRyce Echols, Pharm.D., Texas Southern University (Texas)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently staff clinical pharmacist at Texas Children’s Hospital, relief pharmacist at Encompass Health and CHI St. Luke’s Health, The Woodlands, TX. [OTH]



Accomplishments: NASA Space grant recipient, licensed Texas secondary mathematics educator, founded the Texas Southern University chapter of the Academy of Managed Care

Pharmacy (AMCP), AMCP national committee member, Residency training in managed care pharmacy (Albany, NY), Teaching certificate from Albany College of Pharmacy and Health Sciences, one peer-reviewed manuscript under revision.

Kiara Fairman, Pharm.D., University of North Texas (Texas)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently Oak Ridge Institute for Science and Education (ORISE) Fellow at the FDA National Center for Toxicological Research, Jefferson, AR. [OTH]



Accomplishments: LSAMP HBCU-UP, CVS Caremark and Walgreens Diversity Scholarship Recipient. Founder and 1st

President of UNTHSC Chapter of Student National Pharmaceutical Association (SNPhA), Student National Power to End Stroke Chair, Presented numerous poster presentations at over 10 conferences and 2 peer-reviewed publications.

Dana B. Hill, J.D., Samford University Cumberland School of Law (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Alabama State University)

Currently Shareholder and Attorney at Hill, Hill, Carter, Franco, Cole & Black, P.C. in Birmingham, AL. [OTH]



Accomplishments: Cordell Hull Teaching Fellow, Scholar of Merit – Women and the Law, Member, Class IV of the Alabama State Bar Leadership Forum, Member, Bench and Bar Advisory

Committee, U.S. District Court Northern District of Alabama; Vice President and Member, Board of Directors for Alabama Council of School Board Attorneys; Alabama Rising Star®, by Thomson Reuters (School and Education Law); B.S. in Mathematics, summa cum laude from Alabama State University.

Kiersten A. Miller, D.P.T., Alabama State University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Area Manager, Therapy Management Corporation, Allied Health, Auburn, AL. [OTH]



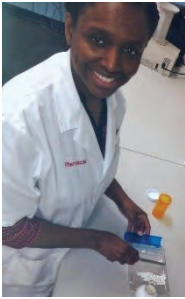
Accomplishments: DPT from Alabama State University, MS in Biological Sciences and BS in Biomedical Sciences from Auburn University, American Physical Therapy

Association Minority Scholarship, College of Health Sciences Graduate Tuition Scholarship, Diversity and Multicultural Affairs Graduate Assistantship, three publications and presentations in peer-reviewed journals.

Chika Nnedu, Pharm.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Staff Pharmacist, Montgomery, AL. [OTH]



Accomplishments: Doctor of Pharmacy degree from Auburn University Harrison School of Pharmacy, Bachelor of Science in Zoology from Auburn University College of Science and Mathematics. LSAMP Scholar.

Brittney Nicole Sellers, D.P.T., Alabama State University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Auburn University)

Currently Pelvic Health Physical Therapist at Center for Colorectal & Pelvic Health (COPE), an affiliate of Texas Digestive Disease Consultants – Southlake, TX. [OTH]



Accomplishments:

Doctorate of Physical Therapy from Alabama State University, Master of Education in Exercise Science/Biomechanics from Auburn University, Bachelor of Science in

Biomedical Sciences from Auburn University, American Physical Therapy Association (APTA) Minority Scholar, Epsilon Tau Sigma (Theta Chapter) National Honor Society of the National Society of Allied Health, NSF Research Conference on Capitol Hill, Washington D.C Presenter.

J. Michael Underwood, Ph.D., University of Minnesota (Minnesota)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently Chief, School-based Surveillance Branch, Division of Adolescent and School Health, Centers for Disease Control and Prevention (CDC), Atlanta, GA. [OTH]



Accomplishments: PhD in Pharmacology from the University of Minnesota, BS in Biology (magna cum laude) from Tuskegee University. Serves as Chief for CDC's School-based Surveillance Branch,

responsible for tracking adolescent health behaviors and school-level policy and practices across the U.S. He previously led the Support, Evaluation and Surveillance team (SEST) for the CDC's Immunization Services Divisions.

Takova D. Wallace-Gay, Pharm.D., Auburn University (Alabama)

Greater Alabama Black Belt Region (GABBR)
LSAMP (Tuskegee University)

Currently a Clinical Assistant Professor at the Fisch College of Pharmacy, The University of



Texas at Tyler. [OTH]

Accomplishments: LSAMP fellowship and BD Scholar and poster winner, Board Certified Ambulatory Care Pharmacist, Published in peer-reviewed pharmacy

journals, Co-author of a case book chapter on Chlamydia and Gonorrhea, Chair of the UT Tyler Interprofessional Education Committee, Member of the Auburn University Harrison School of Pharmacy Dean's Advisory Council.

**University System of Maryland Louis Stokes Alliance for Minority
Participation
Maryland**

PI: Freeman Hrabowski, Ph.D. - hrabowski@umbc.edu

Co-PIs:

Janet Rutledge, Ph.D. - jrutledge@umbc.edu

Sundiata Jangha, MSME, M.P.P. - sjangha@umbc.edu

Kenneth Maton, Ph.D. - maton@umbc.edu

Rosemary Parker, M.S. - rparker@umd.edu

Deborah Sauder, Ph.D. - dgsauder@umes.edu

Tracy Bell, Ph.D. - tdbell@umes.edu



Institutional Partners:

University of Maryland, Baltimore County

University of Maryland, College Park

University of Maryland Eastern Shore

VADM Jerome Adams, M.D. – Indiana University School of Medicine

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Surgeon General, Vice Admiral – U.S. Public Health Service Commissioned Core. Washington, D.C. [BIO]



Accomplishments:
Dr. Adams is the 20th Surgeon General of the United States. His mission as the “Nation’s Doctor,” is to advance the health of the American people. Dr. Adams’ motto as Surgeon General is

“better health through better partnerships.” He has been a leader in numerous professional organizations, including the American Medical Association, the Indiana State Medical Association and the Indiana Society of Anesthesiologists. Dr. Adams is also the former Health Commissioner of Indiana.

Time Agibe, M.S. - Mechanical Engineering - University of Maryland, College Park

(Maryland). USM LSAMP (University of Maryland, College Park)

Program Analyst/Program Controls - Parsons, Arlington, VA. [ENGR]



Accomplishments:
Mr. Agibe is a mechanical engineer who works for a technology-focused defense, intelligence, security, and infrastructure engineering firm. His responsibilities include managing the procurement of

new utilities contracts at client facilities nationwide and providing quality, safety and training support for various business areas of the company. His past awards include the NSF LSAMP Bridge to Doctorate Fellowship.

Omozusi “Zusi” Andrews, Ph.D. – Biology – Vanderbilt University

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

Accomplishments:

Biologist/Lead Reviewer – FDA, Silver Spring, MD. [BIO]



Dr. Andrews has led public health related research projects examining removal of transmissible spongiform encephalopathy (TSE) using heparin (natural anticoagulant drug) manufacturing methods

and conducted research at the National Institutes of Health that investigated the effects of drug inhibition on a crucial protein receptor interaction shown in acute HIV. She has had three publications which includes a chapter in the book “MicroRNA in Development and in the Progression of Cancer.

Tony Awojoodu, Ph.D. - Biomedical Engineering - Georgia Institute of Technology

(Maryland). USM LSAMP (University of Maryland, College Park)

Director of Strategy - Davita, Philadelphia, PA. [ENGR]



Accomplishments:
Dr. Awojoodu earned an M.S. in Engineering and Applied Sciences & Biomedical Engineering from the University of Virginia. McKinsey & Company- Executive Leadership Council C-Suite, McKinsey &

Company Advanced Professional Degree Recruiting Lead, NSF Research fellow, Georgia Tech Graduate Leadership Program fellow, National Society of Black Engineers Conference Planning Committee Public Relations Chair, 8 publications.

**Prince Awuah, Ph.D. – Pathology –
University of Pittsburgh School of
Medicine**

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

**Biologist/Toxicologist – FDA, Silver Spring,
MD. [BIO]**



Accomplishments:

Dr. Awuah’s doctoral research focused on delineating roles of Platelet Derived Growth Factor Receptor alpha in liver development, liver regeneration, and liver cancer. His research led to

several publications including a first co-authorship paper in the Journal of Hepatology, a second author paper, and a first author on an editorial in Hepatology and two first author papers in American Journal of Pathology and PLOS One. He has also been awarded two grants in 2011 as a predoctoral fellow and in 2013.

**Karolyn Babalola, Ph.D. – Electrical and
Computer Eng. – Georgia Institute of
Technology**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Director of Data Engineering at Ivsys
Technologies, Arlington, VA. [CISE]**



Accomplishments:

Dr. Babalola uses digital signal processing and pattern recognition techniques to implement data analytics strategies for the intelligence and defense

sectors. She researches, develops and implements signal processing, pattern recognition and machine learning algorithms for applications including brain-computer interfaces, robotics, telecommunications, and natural language processing.

**Taiese Bingham-Hickman, Ph.D. –
Pharmacology – New York University**

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

**Associate Director – The Leadership
Alliance Consortium, Providence, RI [OTH]**



Accomplishments:

Dr. Bingham-Hickman recently accepted a position as Associate Director of the Leadership Consortium in Rhode Island. She was also the Associate Director of Biomedical Informatics

Research and Operations at Brown University. Bingham-Hickman also worked at Beacon Health Options where she held the positions of VP of Informatics and Analytics and VP of National Data Analytics and Client Reporting. She is also a licensed Realtor at Berkshire Hathaway Home Services Commonwealth Real Estate.

**Robin N. Brewer, Ph.D., Technology and
Social Behavior, Northwestern University**

(Maryland). USM LSAMP (University of Maryland, College Park)

**Assistant Professor, Information &
Electrical Engineering & Computer Science
- University of Michigan, Ann Arbor, MI.
[ENG]**



Accomplishments:

Dr. Brewer does research in the areas of Accessibility (older adults and people with vision impairments); Voice-based interfaces; Online communities and social computing; Motivation for

online participation and engagement in online communities (e.g. blogging, crowd work platforms); and Autonomous vehicles and navigation. She has published eight journal articles and 17 peer-reviewed conference papers. Her past awards include the NSF LSAMP BD Fellowship. She also earned an M.S. in Human-Centered Computing from UMBC.

Tiffani Bright, Ph.D. – Biomedical Informatics – Columbia University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Biomedical Informatician, Evaluation Research Team Lead - IBM Watson Health, Atlanta, GA. [EDU]



Accomplishments:

Dr. Bright is the first African American woman to obtain a doctorate in the biomedical/medical informatics field and the first African American to obtain a doctorate in this field from

Columbia University. She was a Center for Interdisciplinary Research to Reduce Antimicrobial Resistance Predoctoral Fellow at Columbia University, a Biomedical Informatics Predoctoral Fellow at the National Library of Medicine, and a Postdoctoral Fellow at Duke University.

Stefanie Brodie, Ph.D., Civil Engineering, Georgia Institute of Technology

(Maryland). USM LSAMP (University of Maryland, College Park)

Senior Researcher - Toole Design Group, Washington, D.C. [ENG]



Accomplishments:

Dr. Brodie is a Civil Engineer who believes that research should help public agencies make informed decisions. Her graduate school research focused on incorporating

equity into long-range transportation planning. As a Marie Curie Fellow, her postdoctoral research at the University of Nottingham explored sustainability performance measures. She has six publications.

Justin Brooks, M.D. /Ph.D. – Washington University in St. Louis

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Medical Director - Vanda Pharmaceuticals, Washington, D.C. [BIO]



Accomplishments:

Dr. Brooks is responsible for Pharmacovigilance and Safety across multiple clinical trials and post-market activities. Prior to that, he led a large research program at the U.S. Army Research Laboratory

with the specific goal to quantify and model human variability for optimal Human-Autonomy interaction. Additionally, Dr. Brooks continues to practice medicine on an as-needed basis in a variety of medical domains, sits on advisory boards for two health oriented start-up companies, and serves as a reviewer and contributor for multiple scientific journals.

Lyndon Brown, M.S. - Systems Engineering - Johns Hopkins University

(Maryland). USM LSAMP (University of Maryland, College Park)

Vice President of Business Development - Veridon, Washington D.C. [ENGR]



Accomplishments:

Previously, Lyndon was Vice President, Corporate Development at Endgame, which was acquired by Elastic (NYSE: Elastic), where he successfully launched and operated several strategic

initiatives, including Endgame's global managed service provider business, channel sales program, and technical alliance ecosystem. A former Product Manager & Engineer, Lyndon has conceived, launched, built, and grown enterprise SAAS product lines. Lyndon actively advocates for STEM education through a variety of organizations, including as a board member for the University of Maryland's Department of Electrical and Computer Engineering.

**Kailyn Cage, Ph.D. - Mechanical Engineering
- University of Maryland, College Park**

(Maryland). USM LSAMP (University of Maryland, College Park)

**Engineering Program Manager - Amazon
Lab 126, Sunnyvale, CA. [ENG]**



Accomplishments:
Dr. Cage is a mechanical engineer and inventor. She holds a patent for a drying device and has been recognized by Prince George's County, MD 40 Under 40, rising leaders. Her past awards include: the Willie Web Fellowship, the NSF BD

Fellowship, the Homeland Security Fellowship, the FDA ORISE Fellowship, the NASA Graduate Research Fellowship, and the NIH Fellowship.

**Carlos Casarez, Ph.D. - Mechanical Engr. -
University of California, Berkeley**

(Maryland). USM LSAMP (University of Maryland, College Park)

**Robotic Controls Engineer - Intuitive, San
Francisco, CA. [ENG]**



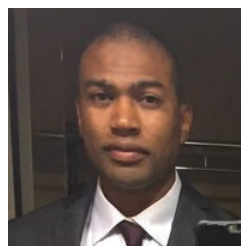
Accomplishments:
Dr. Casarez is a Mechanical engineer with expertise in the design, fabrication, analysis, control, and testing of dynamic robotic systems. He has published eight articles and his honors and awards include:

CiBER IGERT, NSF Graduate Research Fellowship, and the Barry M. Goldwater National Scholarship Award.

**Darian Cash, Ph.D. – Biochemistry and
Molecular Biology - UCLA**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Senior Scientist - Moderna Labs,
Cambridge, MA. [BIO]**



Accomplishments:
Dr. Cash completed his postdoctoral fellowship at UCLA. Currently he is a biochemist with Moderna Labs pioneering a new class of drugs, messenger RNA

therapeutics, with the vast potential to treat many diseases across a range of drug modalities and therapeutic areas. His team has developed a promising vaccine for **COVID-19** and is currently in the testing stage to determine its effectiveness. His involvement in the work was recently highlighted on a 60 Minutes broadcast.

**Daniel Chenet, Ph.D. - Mechanical
Engineering - Columbia University**

(Maryland). USM LSAMP (University of Maryland, College Park)

**Sr. Staff Systems Engineer - Johns Hopkins
University Applied Physics Laboratory,
Laurel, MD. [ENG]**



Accomplishments:
Dr. Chenet is a device and systems engineer with industry experience in semiconductors, medical devices and defense. He has co-authored 15+ journal articles in the fields of layered semiconductor synthesis, optical characterization and nanoelectronics, including lead author in Science,

Nature Materials and Nano Letters. His awards include the NSF LSAMP Bridge to the Doctorate Fellowship, the GEM Fellowship and the Presidential Fellowship through Columbia University.

Sean Colbert-Kelly, Ph.D. – Applied Mathematics – Purdue University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Associate Mathematician, RAND Corporation, Arlington, VA [MPS]



Accomplishments:

Dr. Colbert-Kelly is a driven mathematician whose career goal is to utilize his mathematical background in Partial Differential Equations (PDEs) and analysis to solve complex problems. He is a fluent programmer who completed both the National Research Council Postdoctoral Research Fellowship and the Director's Postdoctoral Fellowship at NIST. His current research area involves developing and solving PDEs in materials science and complex fluids, while using computational tools and methods to model and simulate dynamical properties in both areas.

Brooke Coley, Ph.D. – Bioengineering – University of Pittsburgh

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Associate Professor, Arizona State University, Tempe, AZ. [EDU]



Accomplishments:

Dr. Coley served as the associate director for the Center for Diversity in Engineering at the University of Virginia and as an AAAS Science and Technology Policy Fellow, where she worked at the NSF for several years. Coley was honored as an Apprentice Faculty Grant Recipient by the Educational Research Methods Division of the ASEE for her commitment to innovation in teaching and potential to make substantial contributions to engineering education.

Kizzmekia Corbett, Ph.D. – Microbiology and Immunology – University of North Carolina

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Research Fellow, NIH Vaccine Research Center, Bethesda, MD. [BIO]



Accomplishments:

Dr. Corbett's work has garnered her several awards including a Doctoral Merit Award and induction into UNC's Frank Porter Graham Honor Society. She also received a travel fellowship to complete part of her dissertation project in Sri Lanka. Dr. Corbett's research focuses on assessing and improving the immunogenicity of novel vaccine platforms for coronaviruses and influenza including COVID-19.

Tiara Cornelius, Ph.D. – Interdisciplinary Applied Mathematics and Mathematical Physics – Delaware State University

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

Assistant Professor, Mathematics – University of Maryland Eastern Shore, Princess Anne, MD. [MPS]



Accomplishments:

Dr. Cornelius serves as an UMES LSAMP mentor to Math and Computer Science students. She is the co-advisor for the Association for Computing Machinery club and the Upsilon Pi Epsilon international honor society. Her most recent paper was published in Springer Journal of Scientific Computing.

Jazalyn Dukes, Ph.D. - Civil Engineering - Georgia Institute of Technology

(Maryland). USM LSAMP (University of Maryland, College Park)

Research Structural Engineer, Earthquake Engineering Group - National Institute of Standards and Technology (NIST), Washington, D.C. [ENG]



Accomplishments:

Dr. Dukes is also a member of the National Construction Safety Team for the Technical Investigation of Hurricane Maria's Impacts on Puerto Rico. Her research interests include probabilistic analysis methods, finite element modeling, seismic retrofit of structures using fiber reinforced composites, and multi-hazard reconnaissance studies.

Stacy B Dutton, Ph.D. – Neuroscience – Emory University

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

Assistant Professor, Biology – Agnes Scott College, Atlanta, GA. [BIO]



Accomplishments:

Dr. Dutton currently works at Agnes Scott College in the Department of Neuroscience. Her research area focuses on the role of neuroinflammation in the disease progression of epilepsy. She also does research that highlights the influence of gender on neurological disorders.

Kafui Dzirasa, M.D. /Ph.D. – Neurobiology – Duke University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Associate Professor - Psychiatry, Biomedical Engineering, Neurobiology, Neurosurgery – Duke University, Durham, NC. [BIO]



Accomplishments:

Dr. Dzirasa is the first African American to complete a Ph.D. in Neurobiology at Duke. At UMBC he was conference champion in the long jump, an academic All-American, and student body president. Dr. Dzirasa has served on the Board of Directors of the Student National Medical Association. Through his service, he participated in numerous programs geared towards exposing youth to STEM and providing health education for underserved communities. He was awarded the One Mind Institute Rising Star Award, and his laboratory was featured on *60 Minutes* in 2011. In 2016, he was awarded the Presidential Early Career Award for Scientists and Engineers.

Yvonne Edmonds, Ph.D. – Physics – Stanford University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Data Scientist Director, Strategic Analytics - McKesson, Irving, TX. [CISE]



Accomplishments:

Dr. Edmonds began her career at the SLAC National Accelerator Laboratory searching for dark matter as a physics graduate student. That work sparked an interest in data science and data analysis that saw her transition to systems engineering. She was awarded the Insight Data Science Fellowship and moved fully into data science where she is now a rising star.

Lola Eniola-Adefeso, Ph.D. – Chemical and Biomolecular Engineering – University of Pennsylvania

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Professor, Chemical Engineering – University of Michigan, Ann Arbor, MI. [ENG]



Accomplishments:

Since her arrival at Michigan, Dr. Eniola-Adefeso has received several honors and awards including the NSF CAREER Award, Lloyd Ferguson Young Investigator Award, American Heart

Association Innovator Award, and the American Heart Association Scientist Development Grant. She was elected into the College of Fellows for American Institute for Medical and Biological Engineering and as a College of Engineering Faculty Fellow at the University of Michigan. Her research is currently funded by multiple grants from the American Heart Association and the National Heart, Lung, and Blood Institute of the NIH.

Timi Fadiran, Ph.D. – Chemical Engineering – Georgia Institute of Technology

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Senior Engineer – Sealed Air Corporation, Charlotte NC. [ENG]



Accomplishments:

Dr. Fadiran has a strong passion for research, product development, and solving challenging problems in a team environment. He has a wide

range of experience in polymer processing, polymer characterization, materials science, and sustainability leading to five published articles in his field.

Kristi (Pullen) Fedinick, Ph.D. – Molecular & Cell Biology – University of California, Berkeley

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Senior Scientist and Director, Science and Data, Healthy People & Thriving Communities – NRDC, Washington, D.C. [OTH]



Accomplishments:

Dr. Fedinick's work at NRDC assesses, integrates, and leverages health and environmental data to advance protections for people and communities that are

disproportionately impacted by drinking water contamination and exposure to harmful chemicals. She has authored multiple policy reports, peer-reviewed articles, and policy comments, and served on numerous influential committees of the National Academies of Sciences and the EPA.

Keisha Findley, Ph.D. – Molecular Genetics and Microbiology – Duke University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Interdisciplinary Scientist – Food and Drug Administration, Washington, D.C. [BIO]



Accomplishments:

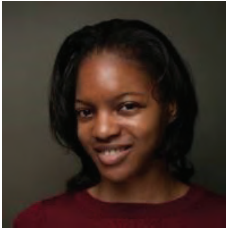
Dr. Findley began her career at the National Institutes of Health (NIH), as a Health Disparities Postdoctoral Fellow within the National Human Genome

Research Institute. From her postdoc, Dr. Findley accepted a contract position as a Medical Countermeasures Policy Analyst in the HHS Office of the Secretary with the Assistant Secretary for Preparedness and Response. She is currently employed as an Interdisciplinary Scientist at the FDA in the Center for Devices and Radiological Health within the Infection Control Devices Branch. She has published 10 articles in her field.

Ayanna Flegler, Ph.D. – Cell and Molecular Biology – Northwestern University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Science Team Lead – SAIC, Reston, VA. [BIO]



Accomplishments:

Dr. Flegler’s work focuses on health improvement. She seeks to improve health through advising, analysis, and/or research. Prior to her current post she served as Science Lead

supporting the DoD’s Cooperative Threat Reduction (CTR) Cooperative Biological Engagement Program (CBEP). The focus of the program is to provide guidance for cooperative nations around the globe to expand capabilities to counter biological threats, enhance and extend international partnerships to thwart proliferation of biological weapons, and support cooperative threat reduction.

DeAnna (Baker) Frost, M.D. /Ph.D. – Medical University of South Carolina

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Assistant Professor, Rheumatology and Immunology - Medical University of South Carolina, Charleston, SC. [BIO]



Accomplishments:

Upon completion of an internal medicine residency at Duke University, Dr. Frost became a board certified internal medicine physician and returned to MUSC as an

adult rheumatology fellow where she was chosen as Chief Rheumatology Fellow. Dr. Frost has been awarded several research awards locally and nationally and has presented her work at several national conferences including the American College of Rheumatology. She has published a number of scientific articles in prominent journals based on her research.

Kenneth Gibbs, Jr., Ph.D. – Immunology – Stanford University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Director, Postdoctoral Research Associates Training Program, National Institutes of General Medical Sciences, Washington, D.C. [EDU]



Accomplishments:

Prior to joining NIGMS, Dr. Gibbs was a Cancer Prevention Fellow at the National Cancer Institute, and an AAAS Science & Technology Policy Fellow at the

NSF in the EHR Directorate. He has previously served on the committee for the National Academies of Sciences, Engineering and Medicine’s consensus report “Graduate STEM Education for the 21st Century,” on the Board of Directors for the National Postdoctoral Association and he has written about scientific training and diversity issues for Science Careers, and Scientific American.

Christy (Butler) Gray, M.D./Ph.D. – Case Western Reserve University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Assistant Professor, Anesthesiology and Critical Care Medicine – Johns Hopkins University, Baltimore, MD [BIO]



Accomplishments:

Dr. Gray completed an anesthesiology residency at Johns Hopkins. Dr. Gray also completed a Sleep Medicine fellowship and Postdoctoral Research fellowship at Johns Hopkins. Dr. Gray’s areas of academic interest are the anesthetic effects on neural

development. She serves as a diplomat on the American Board of Anesthesiology as well as the American Board of Sleep Medicine.

Gentzon Hall, M.D. /Ph.D. – University of Maryland, Baltimore

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Senior Professional Staff - Johns Hopkins University, Laurel, MD. [ENGR]



Accomplishments:

Dr. Hall is the first recipient of the American Society of Nephrology–Harold Amos Medical Faculty Development Program Award. In addition to this award, he has received an ASCI Young Physician-

Scientist Award; DMPI Bordon Scholars Award; the American Society of Nephrology Career Development Award from the Robert Wood Johnson Foundation; the Duke Physician-Scientist Strong Start Award; and a Northwestern University George M. O’Brien Kidney Research Center Pilot and Feasibility Award. Dr. Hall has over 50 publications in his field.

Belinda R. Hauser, Ph.D. – Genetics & Human Genetics – Howard University

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

Acting Director, Office of Education – National Institutes of Health, Bethesda, MD. [BIO]



Accomplishments:

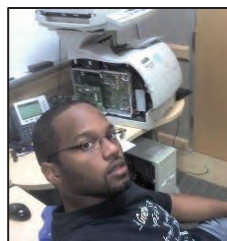
Dr. Hauser works for the National Institutes of Health, National Institute of Dental and Craniofacial Research (NIH NIDCR) as Acting Director. She also worked as a Medical Technologist for Medstar Washington Hospital Center. She has published articles that

focuses on Organogenesis and Cell Carcinoma Growth and Apoptosis and her most current “Preparation of Cells from Embryonic Organs for Single-Cell RNA Sequencing” was published in the Current protocols of Cell Biology in 2019.

Bryan Hayes, Ph.D. - Computer Engineering - Georgia Institute of Technology

(Maryland). USM LSAMP (University of Maryland, College Park)

Assistant Professor, Nephrology – Duke University, Durham, NC. [BIO]



Accomplishments: Georgia Tech Toward Award winner, GEM Fellowship, Intel Fellowship, FACES (NSF AGEP) Fellowship, 7 publications, presenting at various Institute of Electrical and Electronics Engineers Conferences.

Cimona V. Hinton, Ph.D. – Biomedical Sciences-Biochemistry – Meharry Medical College

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

Associate Professor, Biological Sciences – Clark Atlanta University, Atlanta, GA. [BIO]



Accomplishments:

Dr. Hinton is an Associate Professor in the Department of Biological Sciences at Clark Atlanta University and also a member of the Cell and Molecular Biology Research Program at Winship Cancer Institute of Emory. She researches the involvement of chemokine pathways that induce motility of cancer cells specifically how CXCR4/CXCL12 signaling axis may aid in the migration and invasion of foreign tissues under cancerous condition. This system is studied in prostate and breast cancer cells. She has published more than 12 articles in prominent journals.

**Shakira R. Hobbs, Ph.D. - Civil Engineering
- Clemson University**

(Maryland). USM LSAMP (University of Maryland, College Park)

**Assistant Professor, Civil Engineering -
University of Kentucky, Lexington, KY.
[ENGR]**



Accomplishments:
M.S. in Environmental Engineering from Arizona State University. Grant Awardee: UK-Cares, Vice President of Research 2019 Equipment Grant, NSF-IGERT: SUN Competitive Innovation

Fund, NSF CBET. President and Founder of BioGals. 12 publications and over ten speaking engagements across the U.S. Featured in popular media: *Earth Shift Global, Stabroek News, UVA Today, Women of Color Magazine.*

**Nwokedi Idika, Ph.D. – Computer Science
– Purdue University**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Senior Software Engineer – Google,
Mountain View, CA [CISE]**



Accomplishments:
Dr. Idika is a Senior Software Engineer and a Privacy and Data Protection Lead within YouTube. Before joining YouTube, he was a member of Nightwatch, Google’s product-focused privacy team. Prior to engaging product teams on privacy issues at Google, he

spent a couple of years building solutions to malicious automated threats at Shape Security and a few years at MIT Lincoln Lab working on quantifying trust and approaches to improve cyber defenders’ situational awareness.

**Dahlia Jackson-O’Brien, Ph.D. – Food Science
– University of Maryland Eastern Shore**

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

**Associate Professor – Virginia Cooperative
Extension, Petersburg, VA. [A]**



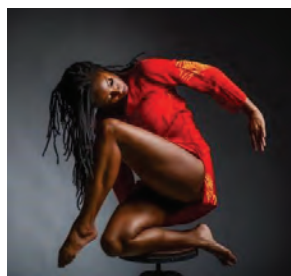
Accomplishments:
Dr. Jackson-O’Brien has served as Small Ruminant Specialist in Cooperative Extension at Virginia State University (VSU). She also works on a USDA Capacity Building Program funded

project to design and build a mobile slaughter processing unit at VSU to educate and enhance profitability of Virginia’s small ruminant industry. She previously served as Associate Professor and Small Ruminant Specialist at Delaware State University. She has written and awarded numerous grants and has published more than eight times.

**Likelia “Kiki” Jenkins, Ph.D. – Marine
Conservation Technology – Duke University**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Associate Professor – Arizona State
University, Tempe, AZ. [GEO]**



Accomplishments:
As an NSF Graduate Fellow, Dr. Jenkins received her PhD by pioneering a new field of study into the invention and adoption of marine conservation technology.

Forging a new path of opportunity, she gained the support of NOAA to host its first ever AAAS Science and Technology Policy Fellow. She has also been supported by the Ford Foundation Diversity Postdoctoral Fellowship; the David H. Smith Conservation Research Fellowship; and the Alfred P. Sloan Research Fellowship in Ocean Sciences. Dr. Jenkins is currently expanding her research into the role of science dance in social change.

Gunnar Kwakye, Ph.D. – Neuroscience – Vanderbilt University

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

Associate Professor, Neuroscience – Oberlin College, Oberlin, OH. [BIO]



Accomplishments:

Dr. Kwakye was recently promoted to Associate Professor of Neuroscience at the Oberlin College and Conservatory on July 1, 2019. His research has led to over ten publications in prominent journals

including Journal of Neurotoxicology and the International Journal of Environmental Research and Public Health.

Gerald Lopez, Ph.D. – Electrical & Computer Engineering – Georgia Institute of Technology

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Director of Business Development, Singh Center of Nanotechnology - University of Pennsylvania, Philadelphia, PA. [CISE]



Accomplishments:

Dr. Lopez is responsible for development and execution of business strategies that facilitate engagement and collaboration for the Singh Center for Nanotechnology. His

role leverages the technical staff to coordinate resources and to evaluate project feasibility. He is co-founder and board chair at MAEBL Inc. and a steering committee member for the International Conference on Electron Ion Photon Beam Technology and Nanofabrication. He has published five articles in his field.

Michael Maness, Ph.D. - Civil Engineering - University of Maryland, College Park

(Maryland). USM LSAMP (University of Maryland, College Park)

Assistant Professor, Civil & Environmental Engineering - University of South Florida, Tampa, FL. [ENGR]



Accomplishments:

M.S. in Civil Engineering from the University of Maryland, College Park. Postdoctoral appointment at Oak Ridge National Laboratory in Oak Ridge, TN. Graduate Research Fellowship at FHWA's Turner-

Fairbank Highway Research Center in McLean, VA. Future Faculty Fellow, 2 x Eisenhower Transportation Fellow, LSAMP Bridge to the Doctorate Fellow. 2015 Eric Pas Dissertation Prize Winner, 2015 University Transportation Centers Outstanding Student of the Year. Three publications in transportation-related journals.

James McCray, Ph.D. – Interdisciplinary Ecology – University of Florida

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Environmental Social Scientist, Sea Grant Delaware, Lewes, DE. [GEO]



Accomplishments:

Dr. McCray is also a modern dancer, currently working on a component of "Same Stories, Different Countries," a student project creating dances based on the science behind

renewable energy in the U.S. and abroad. She has been using dance as an unorthodox form of engaging with communities on sensitive environmental issues, ranging from wind energy to stormwater management to conservation of unprotected vernal pools.

**Jasmine McDonald, Ph.D. – Epidemiology
– Harvard University**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Assistant Professor, Epidemiology –
Columbia University, New York, NY [BIO]**



Accomplishments:

Dr. McDonald is an expert in infectious disease, breast cancer epidemiology, and molecular epidemiology provides her a unique perspective for understanding and examining the complexities of cancer. Much of

her work is nested within populations that have a higher burden of cancer including those with a genetic predisposition, racial and ethnic minorities, and young women. She completed two postdoctoral fellowships and is also the Co-Director of CURE Program @ Herbert Irving Comprehensive Cancer Center @ CUIMC.

**Kyla McMullen, Ph.D. – Computer Science
– University of Michigan**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Assistant Professor, Computer &
Information Science – University of
Florida, Gainesville, FL. [CISE]**



Accomplishments:

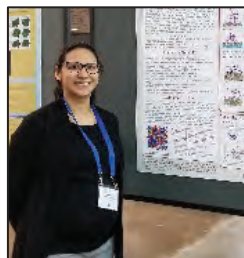
Dr. McMullen has recently earned the NSF CAREER Award and is the PI of an NSF S-STEM award. She is also senior personnel for NSF's Institute for African-American Mentoring in Computing

Sciences (IAAMCS) effort to broaden participation in the field of computing. In this role, she has served as the conference chair for the National Society of Blacks in Computing. She co-hosts Modern Figures Podcast, elevating the voices of Black women in computing.

**Viviana Monje-Galvan, Ph.D. - Chemical &
Biomolecular Engineering - University of
Maryland, College Park**

(Maryland). USM LSAMP (University of Maryland, College Park)

**Postdoctoral Scholar - University of
Chicago, Chicago, IL. [ENGR]**



Accomplishments:

Dr. Monje-Galvan started her undergraduate studies at Montgomery College, a community college in Maryland. She went on to earn a BS, MS and Ph.D. at the University of Maryland.

The overall goal of her research at the University of Chicago is to understand the binding mechanism of the matrix (MA) domain in Gag proteins of HIV-1 to model membranes, and its regulatory relationship in the context of viral infection. Her list of publications is at 13 and growing. Her awards include the NSF LSAMP BD Fellowship.

**Roxann (Brooks) Motroni, DVM/Ph.D. –
University of California, Davis**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**National Program Leader for Animal
Health, U.S. Department of Agriculture,
Beltsville, MD. [OTH]**



Accomplishments:

Dr. Motroni provides the strategic direction and national coordination for USDA's intramural research program focused on bacterial and parasitic diseases of importance to animal health in 9 research locations across the country. She is also

actively involved in coordinating and communicating the agency's research in antimicrobial resistance (AMR). Prior to this position, she was a program manager and American Association for the Advancement of Science (AAAS), Science and Technology Policy Fellow.

Nefretiti Nassar, M.S. - Systems Engineering - University of Maryland, College Park

(Maryland). USM LSAMP (University of Maryland, College Park)

Program Manager - Booz Allen Hamilton, McLean, VA. [ENGR]



Accomplishments: Finalist for the U.S. Presidential Management Fellows Program. Three Awards: Hiram Whittle Legacy Award (UMDCP), Passionate Service Award (Booz Allen Hamilton), Martha Wood Leadership

Award (City of Annapolis). Three systems engineering – related publications.

Gary Palmer II, Ph.D. - Industrial Engineering - Clemson University

(Maryland). USM LSAMP (University of Maryland, College Park)

Senior UX Researcher - Eleven Peppers Studios, Washington D.C. [CISE]



Accomplishments: Dr. Palmer is a well-established UX expert. He performs user studies, interviewing, wireframing and visual mocking of new web presences. Created a 5-year strategy for a

government entity to incorporate UX within its culture appropriately. Dr. Palmer also volunteers as a Mentor/Coach to middle and high school students in an RC car competition where they learn engineering skills.

Chelsea (Stalling) Pinnix, MD/Ph.D. – University of Pennsylvania

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Associate Professor, Radiation Oncology – MD Anderson Cancer Center, Houston, TX [BIO]



Accomplishments:

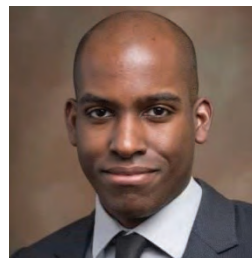
Dr. Pinnix completed her residency training in Radiation Oncology at the University of Texas MD Anderson Cancer Center. After which, she joined the faculty. Her clinical and research interests lie in improving the outcomes of patients with lymphoma. She has been rated a National Top 1% Provider

by CAHPS. She has also been awarded: Postdoctoral Science Research Fellowship Grant, UNCF-Merck; Minority Scholar in Cancer Research Award, American Association for Cancer Research; Excellence in Leadership and Community Service Award, National Medical Association; and Ruth L. Kirschstein National Research Service Award Fellow, NIH. She has co-authored over 100 peer-reviewed articles.

Zachary Rayfield, Ph.D. – Operations Research – Cornell University

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

VP, Quantitative Investment Analysis – T. Rowe Price, Baltimore, MD. [OTH]



Accomplishments:

Prior to becoming an investment professional, Dr. Rayfield spent the previous 4.5 years in internal consulting roles centered on building decision support and optimization tools for

business problems in revenue management and marketing. Over time he developed a strong personal interest in investments which transformed into a career interest, leading him to his current role in multi-asset research.

**Kendra Sarratt, Ph.D. – Bioengineering –
University of Pennsylvania**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Sr. Clinical Research Scientist – Merck,
Philadelphia, PA. [BIO]**



Accomplishments:

Dr. Sarratt is an adaptable and capable clinical research and development professional with experience in protocol writing and scientific data review in

therapeutic areas of psychiatry, addiction, gastroenterology, pain, infectious disease, and oncology. She has experience in managing early and late phase multi-center trials and global clinical trials in pharmaceutical and consumer healthcare industries. She is CPM and PMP certified and has published four articles in her field.

**Kersey Sturdivant, Ph.D. – Marine Sciences –
The College of William & Mary**

(Maryland). USM LSAMP (University of Maryland Eastern Shore)

**Associate Dean, Shady Grove Affairs –
University of Maryland, Baltimore County,
Baltimore, MD [EDU]**



Accomplishments:

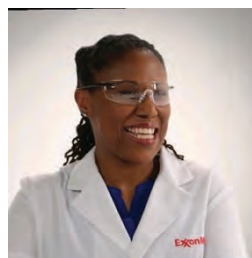
Dr. Sturdivant is actively involved in Marine research where his interests broadly center around anthropogenic disturbance of the benthic environment, with a specific focus on hypoxia. He recently helped establish an

environmental consulting company, INSPIRE Environmental, which focuses on environmental impact assessments of the seafloor globally. To date Kersey has published over ten scientific manuscripts, developed three instruments, and given over ten invited seminars.

**Nicole (Dingle) Vaughn, Ph.D. - Chemical
Engineering - Purdue University**

(Maryland). USM LSAMP (University of Maryland, College Park)

**Asia Pacific Finished Lubricant Technical
Manager at ExxonMobil, Spring, TX**



Accomplishments:

Dr. Vaughn is a chemical engineer who works on lubricants for ExxonMobil. In her work she is committed to making advancements that will benefit society. She feels that the advancements she's

been able to make at ExxonMobil are crucial in helping solve the dual energy challenge – meeting the growing energy needs of the future while lowering emissions. She holds five patents and has three patents pending.

**Annica (Warrick) Wayman, Ph.D. –
Mechanical Engineering – Georgia Institute
of Technology**

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

**Principal Scientist – INSPIRE Environmental,
Newport, RI. [GEO]**



Accomplishments:

Dr. Wayman spent eight years with the U.S. Agency for International Development building programs to support research projects that address international development challenges.

Now, she leads the launch of UMBC's new Translational Life Science Technology (TLST) undergraduate program and the Master of Professional Studies degree in biotechnology at Shady Grove. She was also an AAAS Fellow working with NSF, USAID, and the National Academy of Sciences.

Brian Wayman, Ph.D. – Mechanical Engineering – Georgia Institute of Technology

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Sr. Project Manager – Emergent Biosolutions, Washington, D.C. [BIO]



Accomplishments:

Dr. Wayman is using the skills he learned to improve people’s lives. This has been the strand connecting all of his professional positions. In his first position after completing

his degree, he was the R&D Team Lead at Becton Dickinson. Dr. Wayman holds six patents for his work at Becton Dickinson on disposable syringes designed to prevent re-use of the syringe following injection. In addition, he has several publications in peer-reviewed bioengineering journals.

Olusegun Williams, Ph.D. – Chemistry & Chemical Biology – University of California, San Francisco

(Maryland). USM LSAMP (University of Maryland, Baltimore County)

Global Head of Oncology Pipeline and Portfolio Planning – Genentech, San Francisco, CA [OTH]



Accomplishments:

Dr. Williams is a pharmaceutical /biotechnology development and strategy leader with demonstrated history of technical expertise, strategic

agility and clear thinking. He brings a deep understanding of complex scientific issues, as well as the ability to connect details to higher order implications. He leads a global team of in-house strategy consultants for the late stage oncology portfolio who are responsible for decision analysis, asset valuation and strategic guidance in order to maximize patient, strategic and financial value.

Jarred Young, Ph.D. - Aerospace Engineering - University of Maryland, College Park

(Maryland). USM LSAMP (University of Maryland, College Park)

Keystone Lecturer, University of Maryland, College Park, MD [ENG]



Accomplishments:

Dr. Young’s research interests include plasmas, spacecraft-material interaction, space system design concepts, and the development of next-gen

space propulsion technologies. As an intern for NASA's Goddard Space Flight Center, he contributed to the Lunar Reconnaissance Orbiter (LRO) and Soil Moisture Active Passive (SMAP) missions while in its early design phase. He has received numerous awards and accolades, such as the LSAMP BD Fellowship, the National Minority STEM Fellowship, and the Alfred P. Sloan Fellowship.

**Texas A&M University System
Louis Stokes Alliance for Minority Participation
Texas**

PI: Karen Butler-Purry, Ph.D - klbutler@tamu.edu



Co-PIs:

Stephanie Burrs, Ph.D. – sburrs@pvamu.edu
 Mahmoud Khasawneh, Ph.D. - mahmoud.khasawneh@tamiu.edu
 Frank Pezold, Ph.D. – frank.pezold@tamucc.edu
 Christine Stanley, Ph.D. – cstanley@tamu.edu

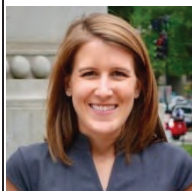
Institutional Partners:

Prairie View A&M University, Prairie View, TX
 Texas A&M University, College Station, TX
 Texas A&M University - Corpus Christi, Corpus Christi, TX

Margot Wood, Ph.D.

Texas A&M University System (TAMUS)
 LSAMP (Texas A&M University)

Global Sustainability Lui-Walton Fellow,
 Conservation National, Seattle, WA. [BIO]



Accomplishments: B.S. and Ph.D. in Biology & Wildlife and Fisheries Sciences, respectively, from UC Davis and TAMU. 2019

Environmental Leadership Program (ELP) Fellow. Worked at USDA as a Biological Research Technician and Visiting Professor at Fort Lewis College. Recipient of NSF IGERT Fellowship, NSF Applied Biodiversity Science Fellowship, and NSF Bridge to the Doctorate Fellowship. Conservation Scholars Research Mentor at National Fish and Wildlife Foundation.

Lindsay Woodard, Ph.D.

Texas A&M University System (TAMUS)
 LSAMP (Texas A&M University)

Research Scientist, Polymer Chemist, Luna Innovations Incorporated, Charlottesville, VA. [MPS]



Accomplishments: B.S. and Ph.D. degrees in Biomedical Engineering from TAMU. Earned Polymer Specialty Certificate. Recipient of the

NSF GRFP, 2012-2014 NSF LSAMP Bridge to the Doctorate Fellowship, Doctoral Graduate Merit Fellowship, and TAMU Graduate Enrichment Fellowship. 6 major self-reported publications in ACS Biomaterials Science & Engineering, Macromolecular Rapid Communications, JoVE and Acta Biomaterialia among others.

Folami Alamundun, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Research Scientist in Artificial Intelligence,
Oak Ridge National Laboratory, Oak Ridge,
TN. [CISE]



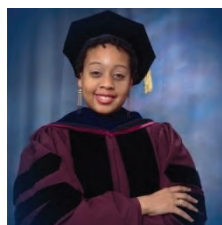
Accomplishments: B.S. and Ph.D. degrees in Electrical & Computer Engineering at University of Texas, El Paso, and Texas A&M University (TAMU), respectively. 21

articles published on Google Scholar with 75+ citations since 2015. 10 publications in journals including SPIE, Journal of Human Performance in Extreme Environments and Medical Physics. Recipient of 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship.

LaToya Anderson, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Dean of Instruction, Fort Bend ISD, Sugar
Land, TX. [MPS]



Accomplishments:

B.S. in Applied Mathematical Sciences, Master's in Industrial Engineering, and a Ph.D. in Curriculum & Instruction, all at Texas

A&M University. T-Tess Certified, ILT Certified. Recipient of 2006-2008 NSF LSAMP Bridge to the Doctorate Fellowship.

Alejandro Azocar, M.S.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Resident: Early Stage Project, X, the
moonshot factory, Mountain View, CA.
[ENG]



Accomplishments:

B.S. in Aerospace Engineering from TAMU. M.S. in Biomedical Engineering from Northwestern University. Completing Ph.D. in Mechanical Engineering from University of Michigan. Work on bionic leg exhibited at Chicago's Museum of Science and Industry and will feature at Amazon's re: MARS event. Recipient of the Sigma Gamma Tau Ammon S. Andes National Award, NSF GRFP, GEM Associate Fellowship and NASA Aeronautics Scholarship.

Francisco Birk, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

TD Module & Integration Yield Engineer,
Intel, Hillsboro, OR. [MPS]



Accomplishments: Ph.D. in Inorganic Chemistry from Texas A&M University. Grad Camp Assistant Director of Logistics, and Marketing and

Communications Chair in Texas A&M Graduate and Professional Student Council. President & Treasurer of Graduate Students Association for Chemistry. Recipient of Eastman Travel Award, Texas A&M University Diversity Fellowship, NSF REU Chemistry Leadership Group Travel Award, ACS Scholarship, 2012-2014 NSF LSAMP Bridge to the Doctorate Fellowship, etc. Affiliated with ACS and APS.

Lindsay Birt, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Customer Solutions Architect, Xylem Inc.,
Lombard, IL. [BIO]



Accomplishments:

Master’s degree in Agricultural and Biological Engineering at Texas A&M University, followed by Ph.D. from Purdue University. Recipient of 2010 Christine Mirzayan Science and Technology & Policy Fellowship from National Academies of Science, Purdue Doctoral Fellowship, Myron A. Pugacz fellowship, 2004-2006 NSF LSAMP Bridge to the Doctorate Fellowship, Minorities Striving & Pursuing Higher Degrees of Success in Earth System Science Fellowship, & the Alliance for Graduate Education and Professoriate (AGEP) Fellowship. Recognized as one of Purdue’s 2011 “Policy Makers.” Served as Special Interest Group Environmental Director for the National Society of Black Engineers (NSBE).

Erica Bruce, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Associate Professor and Graduate Program Director, Department of Environmental Science, Baylor University, Waco, TX. [ENG]



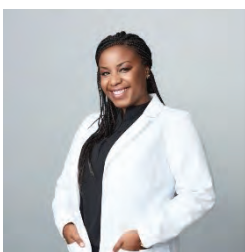
Accomplishments:

Master’s and Doctoral degrees in Civil Engineering from Texas A&M University. 10+ publications in Journal of Toxicology and Applied Pharmacology, Taylor and Francis, etc. Professional involvement with Society of Toxicology and Chemistry, ASCE, SETAC, Chi Epsilon (NCEHS) and a national leadership position with SOT. Recipient of 2003-2005 NSF LSAMP Bridge to the Doctorate Fellowship.

Shona Burkes-Henderson, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Associate Principal Scientist, Mary Kay Inc.,
Dallas, TX. [ENG]



Accomplishments:

B.S. in Chemistry at Texas A&M University, followed by a Ph.D. in Pharmaceutical Sciences from University of Cincinnati. Recipient of the Albert C. Gates Fellowship, American Foundation for Pharmaceutical Education Fellowship.

Zulema Caldwell, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Adjunct Associate Professor, University of Maryland Global Campus, Adelphi, MD. [CISE]



Accomplishments:

B.S. in Electrical Engineering at Texas A&M University, Master’s degree from University of Maryland, College Park and Ph.D. in IT/IS from Capella University. 30 under 30 Black Engineer, NSF Minority Graduate Fellowship Awardee.

<p>Oscar Carrasco-Zevallos, Ph.D.</p>	<p>Maurice Cavitt, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Prairie View A&M University)</p>
<p>Scientific Program Manager, PathAI, Greater Boston, MA. [ENG]</p>	<p>Director of Product Development, Walmart, Fayetteville, AR. [ENG]</p>
<div data-bbox="203 443 391 627" data-label="Image"> </div> <p>Accomplishments: B.S. in Biomedical Engineering at Texas A&M University, mini-MBA in Business/Managerial Economics from Harvard, Ph.D. in Biomedical Engineering from Duke University, Recipient of Albert C. Gates Fellowship, American Foundation for Pharmaceutical Education Fellowship, Burroughs Wellcome Fund Postdoctoral Enrichment Program Award, NIH NRSA F32 Postdoctoral Fellowship, Emerging Vision Scientist, Amgen Research Scholarship, Craig C. Brown Outstanding Engineer award. 34 publications in NCBI, Ophthalmology Retina.</p>	<div data-bbox="836 432 1062 657" data-label="Image"> </div> <p>Accomplishments: B.S. in Electrical Engineering from Prairie View A&M University, Master's degree in Industrial and Management Systems Engineering at University of Nebraska, Lincoln, followed by a Ph.D. from University of Texas at Arlington. Earned his MBA in Marketing from Washington State University. PfMP, PgMP, CLSSBB and PMP certified. Recipient of NASA Harriet Jenkins Fellowship, Alpha Pi Mu Industrial Engineering Honor Society, Alfred P. Sloan Foundation Minority Ph.D. Scholarship, MATC Doctoral Student of the Year award.</p>
<p>Stacy Cereceres, Ph.D.</p>	<p>David Chimene, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>
<p>Preclinical Studies Manager, Profusa, San Francisco, CA. [BIO]</p>	<p>Postdoctoral Researcher, Texas A&M University, College Station, TX. [OTH]</p>
<div data-bbox="203 1413 407 1614" data-label="Image"> </div> <p>Accomplishments: Ph.D. in Biomedical Engineering from TAMU. Recipient of TAMU's Distinguished Scholarship Fellowship, NSF GRFP, 2014-2016 NSF LSAMP Bridge to the Doctorate Fellowship, TAMU Graduate Enrichment Fellowship, TAMU Diversity Fellowship and Dean's Honor Roll.</p>	<div data-bbox="829 1400 989 1560" data-label="Image"> </div> <p>Accomplishments: Ph.D. degree in Biomedical Engineering from Texas A&M University and MD from Texas Tech University. Affiliated with several organizations including BME, GSA, BME Grad Student Association, BES, etc. Received several awards including NSF TxARM Fellowship, 2014-2016 NSF LSAMP Bridge to the Doctorate Fellowship, Student Travel Achievement Recognition Award (Society of Biomaterials).</p>

Yolanda Columbus, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Transformational Speaker, Real Estate Investor and mentor to small business owners, Dallas, TX. [OTH]



Accomplishments:
B.S. in Applied Mathematics and Ph.D. in Educational Psychology from Texas A&M University. Four publications and has served as an Adjunct Professor and Associate Dean at University of North Texas at Dallas and North Lake College, respectively.

Tasha Desai, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Adjunct Professor, Rio Salado College, Tempe, AZ. [ENG]



Accomplishments:
B.S. in Chemical Engineering at Texas A&M University, Master's and Ph.D. in Chemical Engineering from University of Illinois at Urbana Champaign. Former Principal Scientist, Henkel and Senior Scientist at Dial Corporation.

Adolfo Escobedo-Pinto, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Assistant Professor of Industrial Engineering, ASU, Tempe, AR. [ENG]



Accomplishments:
Ph.D. in Industrial and Systems Engineering from Texas A&M University. 15 articles on Google Scholar with 70+ citations. 11 publications in ACM Transactions on Mathematical Software, SIAM Journal on Matrix Analysis & Applications, INFORMS Journal on Computing, etc. Recipient of US Senator Phil Gramm Doctoral Fellowship, Jimmy H. Smith, Ph.D., P.E. Graduate Scholarship, TAMU Energy Institute/Conoco Philips Fellowship, Graduate Fellowship at TAMU and 2010-2012 NSF LSAMP Bridge to the Doctorate Fellowship. Professional associations: INFORMS, IISE, IEEE, ACM, ICS and IOS.

Michael Floissac, J.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University - Corpus Christi)

Attorney Advisor, USDA, Washington, D.C. [OTH]



Accomplishments: B.S. in Biology at Texas A&M University - Corpus Christi (TAMUCC). MPH from University of Texas Health Science Center at Houston (UTHealth). J.D., Law from Texas Southern University – Thurgood Marshall School of Law. Recipient of Special Act or Service Award by NIMH, Public Minority Student Scholarship & Young Researcher Award by American Federation for Medical Research & Summer Undergraduate Research Fellowship in Medical Physiology. Level 2 certified Contracting Officer, & licensed attorney.

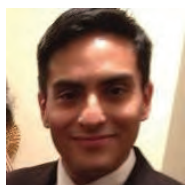
<p>John Flores-McLaughlin, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Global Radiation and Laser Safety Manager, Facebook, Redmond, WA. [ENG]</p>  <p>Accomplishments: Master's in Health Physics and Ph.D. in Nuclear Engineering from Texas A&M University. Subject Matter Expert in consumer product and aerospace and hardware engineering. Worked at Los Alamos National Labs, Sandia National Labs, NASA, Oculus VR and Facebook. Involved with organizations like Laser Institute of America, ANSI Z136 Laser Safety Committees, Alpha Nu Sigma, Health Physics Society and IEC Technical Committee. Recipient of 2006-2008 NSF LSAMP Bridge to the Doctorate Fellowship.</p>	<p>Kevin Gagnon, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Senior Scientist, Vertex Pharmaceuticals, Boston, MA. [MPS]</p>  <p>Accomplishments: Ph.D. in Inorganic Chemistry from Texas A&M University, B.S. in Chemistry from Worcester Polytechnic Institute. Experience with American Superconductor, Beamline 11.3.1 and Vertex Pharmaceuticals. Recipient of Thurgood Marshall/Cesar Chavez/Russell Means Scholarship, 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship. 14 publications in JPCL, Angewandte Chemie International Edition, Journal of the American Chemical Society, Dalton Transactions, etc.</p>
<p>Roberto Gamez, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Senior Field Application Scientist, Thermo Fisher, Edinburg, TX. [ENG]</p>  <p>Accomplishments: Ph.D. in Chemistry from TAMU. Recipient of NSF GRFP, Martell and Corera Travel Award, International Study Abroad Scholarship, J. Lell Elliot Chemistry Scholarship, Trull Foundation Scholarship, Polaroid Foundation Endowed Scholarship, 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship among others.</p>	<p>Tanya Garcia, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Associate Professor, Department of Statistics, Texas A&M University, College Station, TX. [MPS]</p>  <p>Accomplishments: Ph.D. in Statistics from TAMU. \$900,000+ in competitive research funding as PI. 31 Google Scholar articles and 100+ citations. Recipient of Leadership Scholarship, William S. Connor Award, American Statistical Association Gertrude M. Cox Award, MINDS Fellowship, 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship.</p>

<p>Jacob Gayles, Ph.D.</p>	<p>Francisco Gomez, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>
<p>Postdoctoral Researcher, Max-Planck-Institute, Dresden, Germany [MPS]</p>	<p>Assistant Professor, Michigan State University, Saint Paul, MN. [BIO]</p>
<div data-bbox="212 449 418 634" data-label="Image"> </div> <p>Accomplishments: Bachelor's and Ph.D. in Physics and Condensed Matter and Materials Physics from California State University - Northridge and TAMU, respectively. 29 major publications in Physical Review B, Ψk Scientific Highlight of the Month, Nature Physics, Journal Philosophical Magazine, IOP Nanotechnology and Journal of Electronic Materials, along with 260 citations. Recipient of NSF Bridge to the Doctorate Fellowship.</p>	<div data-bbox="829 449 992 606" data-label="Image"> </div> <p>Accomplishments: Master's and Ph.D. in Plant Breeding and Genetics from TAMU. Postdoctoral researcher at North Carolina State University. Recipient of CFANS Postdoctoral Fellowship at University of Minnesota – Twin Cities, 2012-2014 NSF LSAMP Bridge to the Doctorate Fellowship, Ford Foundation Predoctoral Fellowship Honorable Mention, and Young Botanist Award by Botanical Society of America. Publications in Springer and PLoS Genetics. 10+ Google Scholar publications and 65+ citations.</p>
<p>Monika Harris, J.D.</p>	<p>Spencer Hawkins, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Prairie View A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>
<p>Senior Manager, Accenture, Houston, TX. [ENG]</p>	<p>Research Scientist, University Technology Corporation, Dayton, OH. [ENG]</p>
<div data-bbox="199 1257 440 1497" data-label="Image"> </div> <p>Accomplishments: B.S. in Chemical Engineering at Prairie View A&M University, Master's in Manufacturing Management from University of Michigan and J.D. Law from University of Wisconsin Law School. Served on the Board of Directors for Rare Pearls, a non-profit organization that focuses on empowering young females in their careers and academia.</p>	<div data-bbox="821 1266 967 1409" data-label="Image"> </div> <p>Accomplishments: B.S. in Aerospace Engineering and Ph.D. in Materials Science and Engineering from TAMU. 19 Google Scholar articles with 150+ citations. Earned a Polymer Technology Certificate from Polymer Technology Center. Recipient of Dale Walker Memorial Scholarship SPE South Texas, Lowy Award, Joanne and Edward "Pete" Aldridge '60 Endowed Scholarship, 2011-2013 NSF LSAMP Bridge to the Doctorate Fellowship, etc. eight major publications and affiliations with MRS, ACS, SPE, and SAMPE.</p>

Alfredo Hernandez, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Instructor in Biological Chemistry and
Molecular Pharmacology, Harvard Medical
School, Boston, MA. [BIO]



Accomplishments: Ph.D. in Biochemistry from TAMU. Post-doctoral fellow at Harvard Medical School. 13 publications, 300+ citations and 19 research items on ResearchGate in Journal of Biological Chemistry, Nucleic Acids Research, Journal of Visualized Experiments, etc. Recipient of 2004-2006 NSF LSAMP Bridge to the Doctorate Fellowship and NIH Ruth L. Kirschstein NRSA Postdoctoral Fellowship. Member of Gamma Sigma Delta, University Scholars Program at University of Texas Pan-American (now University of Texas - Rio Grande Valley).

Casie Hilliard, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Senior Chemist, Dow Chemical Company,
Houston, TX. [MPS]



Accomplishments: Ph.D. in Inorganic Chemistry from TAMU. Bachelor's in Chemistry from University of Florida. Board Member for Women in Science and Engineering (WISE) and as a Dow Science Ambassador for the Dow Chemical Company. Affiliated with Young Professionals in Energy, AADE, ACS, Social of Petroleum Engineers and Social of Plastic Engineers. International internship with Evonik in Germany. Benefactor of DAAD Exchange Program. Recipient of 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship.

Rafael Huacuja, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Senior Chemist, Dow Global Technologies
LLC, Freeport, TX. [MPS]

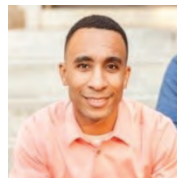


Accomplishments: Ph.D. in Chemistry from TAMU. B.S. in Chemistry from Cornell University. Member of the Diamond Toastmasters Club. Several patents granted by the United States Patent and Trademark Office including Oligomerization, Chromium Complex and Catalyst Therefrom and Phosphacycle Compound and Process for Production Thereof. Recipient of 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship.

Justin Jackson, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Director of Business Planning, Nike,
Portland, OR. [ENG]



Accomplishments: Master's and Ph.D. in Aerospace Engineering from TAMU and University of Michigan, respectively. Prior experience working with Air Force Research Laboratory, Llamasoft and Nike in various capacities, now serving as the Director of Business Planning. Produced 10 academic papers during his Ph.D., and supported a \$4 million research project during his time at the Air Force Research Labs. Recipient of 2006-2008 NSF LSAMP Bridge to the Doctorate Fellowship.

Maya Johnson, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Lecturer, Department of Mathematics,
Texas A&M University, College Station, TX.
[MPS]



Accomplishments: 2006-2008 NSF LSAMP Bridge to the Doctorate Fellow. Master's & Ph.D. in Mathematics from TAMU. B.S. in Mathematics from Lincoln University. Received IMA Invitation & Grant, AMS Graduate Student Travel Award, and IGERT Fellowship. Formally invited to GSO Talk, IGERT Roundtable Talks, SIAM Conference, 17th US National Congress on Theoretical & Applied Mechanics. Affiliated to Sigma Xi, AMS, SIAM, NSBE, SWE.

Tiffany Kinnibrugh, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Assistant Chemist, Argonne National
Laboratory, Naperville, IL. [MPS]



Accomplishments: Ph.D. in Chemistry from Texas A&M University. Postdoctoral research associate for 2 years at Argonne National Laboratory and Adjunct Professor at Elmhurst College. Former Research Scientist at DeNovX. Recipient of 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship.

Jason Knight, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Founder and CPO, OctoML, San Diego, CA.
[ENG]



Accomplishments: Bachelor's in Biomedical Engineering and Ph.D. in Electrical Engineering from Texas A&M University. 9 major publications with

60+ citations. Prior experience as a Bioinformatics Scientist, Staff Algorithms Engineer, Head of Software Products – AI Group (Intel). University Scholar and a two-time Goldwater Honorable Mention. Recipient of the Innovative Signal Analysis Fellowship, NSF Graduate Research Fellowship – 2-time Honorable Mention, Texas A&M Electrical and Computer Engineering Departmental Scholarship.

Alex Kosanovich, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Senior Research Specialist- Dow
Polyurethanes, Lake Jackson, TX. [MPS]



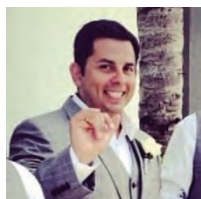
Accomplishments: B.A. from Carleton College, ACS Certified, Ph.D. in Inorganic Chemistry from TAMU. Received JEMS Scholarship for Collaborative Research, Corning Best Inorganic Paper (NOBCChE), Richard W. Schmude Endowed Scholarship in Chemistry, Thomas J Hairston Memorial Graduate Scholarship in Chemistry, Charles Carlin Prize in Chemistry, Dean's Excellence Fellowship (TAMU), 2014-2016 NSF LSAMP Bridge to the Doctorate Fellowship. Affiliated with Phi Lambda Upsilon – Chemistry Honors Society, ACS, TAMU GSAC, NOBCChE and Sigma Xi Honors Research Society.

<p>Shaye Lewis, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Prairie View A&M University)</p> <p>Director of Science and Processing, Farmacopia Farms, Lebanon, OR. [MPS]</p>  <p>Accomplishments: B.S. in Biology from Prairie View A&M University. Master's and Ph.D. in Physiology of Reproduction from Prairie View A&M University and Texas A&M University, respectively. 15 research items on ResearchGate with 100+ citations. Postdoctoral Fellow at Baylor College of Medicine. Extremely instrumental in developmental and physiological genomics of the male reproductive tract as a Research Scientist at Prairie View A&M University.</p>	<p>Daniel Limbrick, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Associate Professor, North Carolina Agricultural and Technical State University, Greensboro, NC. [ENG]</p>  <p>Accomplishments: B.S. in Electrical Engineering from TAMU, Master's and Ph.D. in Electrical Engineering from Vanderbilt University. Recipient of the US Air Force Research Lab Summer Faculty Fellowship Program, Woody Everett Award, NC Space Grant New Investigators Program, NSF FACES Postdoctoral Fellowship, Alfred. P Sloan Foundation Minority Ph.D. Scholarship, VU Provost Graduate Fellowship, National Achievement Scholarship, and National Merit Commended Scholarship, etc. Affiliated with ASEE, IEEE, ACM, ARL, NSBE and SAE. Awarded over \$700,000 in external and internal funding.</p>
<p>Maxine Madison, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Senior Environmental Specialist, ConocoPhillips, Houston, TX. [ENG]</p>  <p>Accomplishments: B.S. and Ph.D. in Chemical Engineering from Mississippi State University and Texas A&M University, respectively. 10 major patents and publications in SPIRIT magazine, Wetlands and Biomass & Bioenergy. Recipient of the 2003-2005 NSF LSAMP Bridge to the Doctorate Fellowship and expert in biofuels, environmental tech., air emissions, sustainability, regulatory, and HSE.</p>	<p>Ebony Mayhorn, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Research Engineer, Pacific Northwest National Laboratory, Richland, WA. [ENG]</p>  <p>Accomplishments: Master's degree and Ph.D. in Mechanical Engineering and Electrical Engineering, respectively from Texas A&M University. 16 PNNL publications. Recipient of Outstanding Performance Award (PNNL) for contribution and leadership on projects, Alfred. P Sloan Foundation Minority Ph.D. Scholarship, Outstanding Engineering Student Award (PVAMU). Two-time recipient of Texas A&M University Diversity Fellowship.</p>

Steven McClure, PharmD

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University - Corpus Christi)

Market Director (Pharmacy), Corpus Christi Medical Center, Corpus Christi, TX. [BIO]



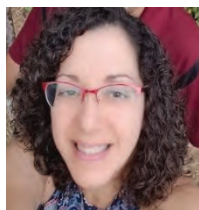
Accomplishments: B.S. in Biology from TAMUCC, Master’s in Hospital Pharmacy Administration from University of Kansas and Pharmacy

Administration and Doctorate in Pharmacy from UH. Experience with pharmaceutical companies like Metroplex Health Systems, Seton Healthcare Family, and South University & Corpus Christi Medical Center. Achieved BCPS certification.

Mayra I. Méndez-Piñero, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Professor, University of Puerto Rico-Mayaguez, Puerto Rico [ENG]



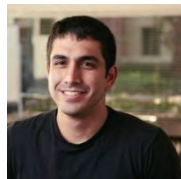
Accomplishments: Ph.D. in Industrial Engineering from Texas A&M University after her B.S. and Master’s degrees in the same field from University of Puerto

Rico-Mayaguez. 5 research items on ResearchGate with 10+ citations. Currently serving as the Engineering liaison for the Puerto Rico LSAMP project. Recipient of the 2004-2006 NSF LSAMP Bridge to the Doctorate Fellowship.

Marco Messina, Ph.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University - Corpus Christi)

Postdoctoral Research Fellow at University of California, Berkeley, Berkeley, CA. [MPS]



Accomplishments: B.S. in Chemistry from TAMUCC and Ph.D. in Organic Chemistry from University of California. Recipient of the

John Stauffer Fellowship, Christopher S. Foote Fellowship, NSF Graduate Research Fellowship, Eugene V. Cota-Robles Fellowship, Graduate Scholars Fellowship, NIH IMSD Fellowship, SSCC Scholarship, Ford Fellowship Honorable Mention, NSF Bridge to the Doctorate Fellowship (April 2014) and Welch Research Fellowship among many others.

Jeffery Miller, Ed.D.

Texas A&M University System (TAMUS)
LSAMP (Texas A&M University)

Executive Dean of ECDC, Cedar Valley College (DCCCD), Dallas, TX. [OTH]



Accomplishments: Ed.D. in Curriculum & Instruction from Texas A&M University and MAT in Science Education from UT Dallas. Recipient of

the Distinguished Honor Graduate Award, Aggie Spirit Award, Texas A&M College of Education and Human Development Student Scholarship and George Bittle Kelly Award. Affiliations with NABSE, TABSE, Texas ASCD, TACAC, TASA & other such organizations.

<p>Hiram Moya, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Associate Professor, Department of Manufacturing and Industrial Engineering, University of Texas-Rio Grande Valley, Edinburg, TX. [ENG]</p>  <p>Accomplishments: B.S. in Industrial Engineering, Master's in Engineering Systems Management and Ph.D. in Industrial and Systems Engineering, all from Texas A&M University. Recipient of Alfred. P Sloan Foundation Minority Ph.D. Scholarship. Several publications including eight in the Institute of Industrial and Systems Engineering. Research funded by the National Science Foundation, the Department of Energy, and the Department of Homeland Security.</p>	<p>Jean-Leah Njoroge, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Senior Data Scientist, Dell, Austin, TX. [CISE]</p>  <p>Accomplishments: Ph.D. in Computational Material Science & Engineering from Texas A&M University after B.S. in Chemical Engineering from PVAMU. Certificates in Entrepreneurship from TAMU in Big Data & Social Analytics from Massachusetts Institute of Technology, Polymer Specialty from TAMU. Post-doctoral fellowship at University of Texas - Arlington. Recipient of IGERT Fellowship, NSF Apprentice Science Reporter Award, 2006-2008 NSF LSAMP Bridge to the Doctorate Fellowship, Material Science and Engineering Fellowship, etc. Affiliated with MRS, SWE, AIChE and Association of University Technology Manager. Six major publications.</p>
<p>Andrew Ochoa, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Physicist, Strangeworks, Austin, TX. [MPS]</p>  <p>Accomplishments: B.S. and Ph.D. in Physics from University of Texas - Pan American and TAMU, respectively. B.S. in Mathematics of University of North Texas. MBA from University of Texas - Austin. Recipient of the TAMU Graduate Diversity Fellowship and 2012-2014 NSF LSAMP Bridge to the Doctorate Fellowship. Certificates in Quantum Computing and its applications. Publications in Physical Review A, Physical Review B and Physical Review X. Affiliations with IEEE Standards Association & APS.</p>	<p>Wilmarie Marrero Ortiz, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Module Integration Yield Engineer, Intel Corporation, Hillsboro, OR. [MPS]</p>  <p>Accomplishments: Ph.D. in Physical/Analytical Chemistry from TAMU. NSF GFRP Resource Patron. Co-chair for Diversity and Inclusion at Texas A&M GPSC. Recipient of Buck Weirus Aggie Spirit Award, Yale Ciencia Academy Fellowship, AGEP Travel Award, NSF GRFP, 2012-2014 NSF LSAMP Bridge to the Doctorate Fellowship. Affiliations with AAAS, ACS, AGU, AMS, NSPG, SACNAS, WSE. CIRTL-certified Associate Fellow of Academy for Future Faculty, TAMU.</p>

<p>Aracely Rocha, Ph.D.</p>	<p>Erik Rodriguez, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>
<p>Quality and Reliability Engineer, Intel, Chandler, AZ. [ENG]</p>	<p>Director of Technology, M-TriGen, Inc., Houston, TX. [ENG]</p>
<div data-bbox="203 436 360 613" data-label="Image"> </div> <p>Accomplishments: B.S. in Mechanical Engineering from University of Texas – Pan American, Master’s and Ph.D. in Mechanical Engineering from Texas A&M University. Recipient of the 2006 – 2008 NSF LSAMP Bridge to the Doctorate Fellowship. Invitations to Study Abroad programs at Ecole Centrale de Lyon, France and the University of Science and Technology of Beijing, China to conduct her research.</p>	<div data-bbox="824 436 1003 613" data-label="Image"> </div> <p>Accomplishments: B.S. & Ph.D. in Mechanical Engineering from Texas A&M University. Recipient of TAMU Diversity Fellowship, National Merit Hispanic Scholarship & 2010-2012 NSF LSAMP Bridge to the Doctorate Fellowship.</p>
<p>Douglas Rodriguez, Ph.D.</p>	<p>Christopher Thomas, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Prairie View A&M University)</p>
<p>VP, Research and Development, Novabone, Gainesville, FL. [ENG]</p>	<p>Project Manager - Engineering, Kinder Morgan, Houston, TX. [ENG]</p>
<div data-bbox="207 1155 360 1302" data-label="Image"> </div> <p>Accomplishments: Master’s and Ph.D. in Mechanical Engineering from TAMU. Recipient of the 2003-2005 NSF LSAMP Bridge to the Doctorate Fellowship. Former visiting research student at National Taiwan University and visiting scientist at Max Planck Institute of Colloids and Interfaces. Postdoctoral Fellowship at University of Florida. Featured “Face of Technology” in 2019 by Florida High Tech Corridor.</p>	<div data-bbox="824 1150 977 1297" data-label="Image"> </div> <p>Accomplishments: B.S. in Mechanical Engineering from Prairie View A&M University, MBA from Colorado Technical University and Ph.D. in Business Administration from Northcentral University. Inducted into Pi Tau Sigma National Mechanical Engineering Honor Society during his undergraduate years. Recipient of 2 major certifications – Project Management Professional (PMP) and Lean Six Sigma Green Belt (LSSGB).</p>

<p>Jacob Torres, Ph.D.</p>	<p>Zaria Torres-Poche, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>
<p>Managing Partner, Principal, Torres & Associates, Houston, TX. [ENG]</p>	<p>Field Ecologist, Genesis Laboratories, Fort Collins, CO. [BIO]</p>
<div style="display: flex;">  <div> <p>Accomplishments: Master's in Civil & Water Resources Engineering from Texas A&M University and Ph.D. in Coastal Flooding & Hydrodynamics from Rice University. Worked in leadership positions in the industry for several years with AECOM, Lockwood, & Andrews and Newman, Inc. Past Senior Lecturer at Texas A&M University in Zachry Department of Civil & Environmental Engineering. Leads Torres & Associates as Managing Partner. Certified Financial Manager. Recipient of 2006-2008 NSF LSAMP Bridge to the Doctorate Fellowship.</p> </div> </div>	<div style="display: flex;">  <div> <p>Accomplishments: Ph.D. in Wildlife and Fisheries Sciences and B.S. in Biomedical Sciences, both from TAMU. Served as Program Coordinator at TAMU, where she coordinated diversity efforts, HLAE Fellows, Sloan Fellows, SACNAS and MANRRS. 7 major publications in American Midland Naturalist, PLoS Neglected Tropical Diseases, Proceedings of the National Academy of Sciences, Journal of Vector Ecology, etc. Recipient of 2010-2012 NSF LSAMP Bridge to the Doctorate Fellowship.</p> </div> </div>
<p>Karen Triff, Ph.D.</p>	<p>Migvia Vidal, Ph.D.</p>
<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>	<p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p>
<p>Lab Lead, Quotient Sciences, Miami, FL. [BIO]</p>	<p>Technical Safety Professional, Wood, Houston, TX. [ENG]</p>
<div style="display: flex;">  <div> <p>Accomplishments: Ph.D. in Molecular Biology from Texas A&M University. Recipient of NIH Grant Supplement, 2008-2010 NSF LSAMP Bridge to the Doctorate Fellowship, 2014 and 2015 GMaP Early Career Researcher Awards by NIH and Graduate Whole Systems Genomics Institute Graduate Student Grant. Affiliations with ASN, CLSA, Hussman Institute for Human Genomics and CLS.</p> </div> </div>	<div style="display: flex;">  <div> <p>Accomplishments: B.S. in Chemical Engineering from Universidad de Puerto Rico and Ph.D. in Chemical Engineering from TAMU. Affiliated to Environmental Quality Board, Germanisher Lloyd Noble Denton, Atkins, Amec Oil & Gas Americas, DORIS, ERM. SME in EERA, Consequence Modeling, QRA, Hazard Identification, Escape Route Analysis and Project HSE Support. Recipient of 2003-2005 NSF LSAMP Bridge to the Doctorate Fellowship. EIT Certified.</p> </div> </div>

<p>Shannon D. Walton, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Director of Recruiting, Professional Development and Student Success, Office of Graduate and Professional Studies, Texas A&M University and Director of TAMUS LSAMP, College Station, TX. [ENG]</p>  <p>Accomplishments: Master's degree in Nuclear Safety/Industrial Hygiene followed by a Ph.D. in Interdisciplinary Engineering at Texas A&M University. Co-PI on over \$10.5 million of NSF LSAMP research grants. Recipient of 2003-2005 NSF LSAMP Bridge to the Doctorate Fellowship. Affiliated with Brazos Valley Area Alumnae Chapter of Delta Sigma Theta Sorority, Inc.</p>	<p>Michael Whitely, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Postdoctoral Fellow at United States Army Institute of Surgical Research, San Antonio, TX [MPS]</p>  <p>Accomplishments: B.S. & Ph.D. in Biomedical Engineering from TAMU. Recipient of ORISE Postdoctoral Fellowship, Dissertation Fellowship, Honorable Mention for NSF GRFP, and 2013-2015 NSF LSAMP Bridge to the Doctorate Fellowship. 10+ self-reported publications featured in Journal of Materials Chemistry B, ACS Biomaterials Science & Engineering, Biofabrication, Acta biomaterialia and Annals of Biomedical Engineering, etc.</p>
<p>Amanda Whitmill, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University - Corpus Christi)</p> <p>Associate Analyst at Hayes, Dallas, TX. [BIO]</p>  <p>Accomplishments: B.S. in Biomedical Sciences from TAMUCC and Ph.D. in Cellular and Molecular Biology from University of North Texas Health Science Center. Recipient of American Physiological Society Minority Travel Fellowship Award, Community Outreach Scholarship Recipient, MORE Scholarship and Ronald E. McNair Scholarship. Professional affiliations with AHA, National Postdoc Association, American Association of African American Scientists and American Association for the Advancement of Science.</p>	<p>Justin Wilkerson, Ph.D.</p> <p>Texas A&M University System (TAMUS) LSAMP (Texas A&M University)</p> <p>Assistant Professor, Department of Mechanical Engineering, Texas A&M University, College Station, TX. [ENG]</p>  <p>Accomplishments: B.S. in Aerospace Engineering from TAMU and Ph.D. in Mechanical Engineering from John Hopkins University. Recipient of DoD NDSEG Fellowship, the NSF GRF, NSF Graduate Engineering Education Fellowship, Foundations Excellence Award, Donald D. Harrington Faculty Fellowship, AFOSR Young Investigator Award, Ralph E. Powe Junior Faculty Award, and the Ammon S. Andes Award. 50+ research articles with 700+ citations to his credit.</p>



**Greater Philadelphia Region Louis Stokes Alliance for
Minority Participation (Philadelphia AMP)
Pennsylvania**

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Dr. Robert Langley, Email: rlangley@lincoln.edu
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Dr. Michael Vaughan, Email: vaughan@udel.edu
Dr. Laura Stubbs, Email: lstubbs@seas.upenn.edu

INSTITUTIONAL PARTNERS

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• Delaware State University • Drexel University
• Lincoln University of the Commonwealth of Pennsylvania
• New Jersey Institute of Pennsylvania (through 02/28/19)
• Temple University • University of Delaware • University of Pennsylvania

Antonette Todd-Atif, Ph.D., Researcher

(Pennsylvania) Greater Philadelphia Region
LSAMP (Cheyney University)

Postdoctoral Research Associate, Molecular
Genetics and Epigenomics, Center for
Integrated Biological and Environmental
Research, Delaware State University, DE. [A]



Accomplishments: Bridge
to the Doctorate Fellow, 4
publications in the Int.
Journal of Genomics, BMC
Plant Biology, Australian
Journal of Crop Science, and
Int. Journal of Molecular
Science, respectively.

Richard Able, Ph.D., Executive Director

(Pennsylvania) Greater Philadelphia Region
LSAMP (Cheyney University of Pennsylvania)

Executive Director, Global Medical Affairs,
US & Global DMD, PTC Therapeutics,
Cambridge, MA. [BIO]



Accomplishments: NASA-
NAFEO Ames Academy
Scholar, 5 publications,
journals including Cellular
and Molecular
Bioengineering, InTech
Publishers, and ACTRIMS
Forum 2018.

Anthea Aikins, Ph.D., Faculty & Microbiologist

(Pennsylvania) Greater Philadelphia Region LSAMP (Delaware State University)

Associate Professor, Microbiology, Delaware State University, Dover, DE. [BIO]



Accomplishments: Research Interests - Microbiology, Yeast Genetics, and Forensic Microbiology; Postdoctoral Research at New Jersey Medical School - Cancer Center, University of

Medicine and Dentistry of NJ, and Rutgers University; 4 peer-reviewed publications, journals include Current Microbiology, Cell Biochemistry and Function and Microbiology Resource Announcement; 2018 Excellence in Faculty Teaching Award, College of Mathematics, Natural Science and Technology at Delaware State University.

Antoinette Baliey Cacioppo, Ph.D., Biomedical Scientist

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

Senior Regulatory Affairs Specialist, Medtronic Diabetes, Los Angeles, CA. [BIO]



Accomplishments: Postdoctoral Fellow and Research Compliance Intern at California Institute of Technology; Reviewed IRB and IACUC protocols and assisted in preparation of regulatory

submissions, reports to federal agencies, and standard operating procedures and policies; 2 peer-reviewed publications in International Journal of Clinical and Experimental Medicine and FASEB Journal (Federation for American Societies for Experimental Biology), respectively. Freelance Science Editor for 6 years.

Kiersten Craig, M.D., Physician

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

Senior Clinical Associate, Urology, Weill Cornell Medicine, New, York, NY [BIO]



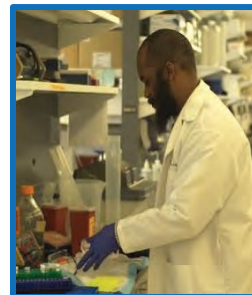
Accomplishments: Surgical Intern at New York-Presbyterian Hospital; BSE and M.S. degrees in Bioengineering, University of Pennsylvania; M.D., Medicine, Pennsylvania State University College of

Medicine; and 2 peer-reviewed publications in the Current Opinion in Urology on pediatric renal cell carcinoma, and the greenlight laser enucleation of the prostate.

Ezekiel Crenshaw, Ph.D., Biologist

(Pennsylvania) Greater Philadelphia Region LSAMP (Cheyney University of Pennsylvania)

Postdoctoral Research Fellow, University of Pennsylvania, Philadelphia, PA. [BIO]



Accomplishments: NSF Bridge to the Doctorate Fellow, NIH Aging Research Dissertation Award to Increase Diversity (R36); Research Internship experiences at the Los Alamos National

Laboratory, USDA Eastern Regional Research Center, and Wistar Institute; 2 peer-review publications including the premier international journal, Biochemical and Biophysical Research Communications.

Leonard Nettey, M.D. / Ph.D. Candidate

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

M.D. / Ph.D. Candidate, Harvard School of Medicine, Boston, MA. [BIO]



Accomplishments: NIH Medical Scientist Training Program Fellow; Harvard/MIT MD-PhD Program Student Trainee, M.D. Candidate, Health Sciences and Technology, and Ph.D. Candidate,

Immunology; 2 peer-reviewed publications in Immunity, and Cytometry Part A: The Journal of the International Society of Analytical Cytometry.

Chioma Erondu, M.D., Physician

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

Fellow Physician, Emory University Department of Family and Preventive Medicine, Atlanta, GA. [BIO]



Accomplishments: Specialization – Obstetrics and Gynecology; M.D. degree, Duke University School of Medicine; Residencies: Baylor College of Medicine & UCLA; MPH Candidate, Applied

Epidemiology. Pursued interests in public health and preventive medicine while in her current OB/GYN residency during which she participated in a rotation at The U.S. Department of Health and Human Services (HHS)' Agency for Healthcare Research and Quality sponsored by the Association for Prevention Teaching and Research (APTR).

Akua A. Domfe, M.D., Physician

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

Internal Medicine Specialist, The Jewish Hospital Kenwood Internal Residency Program, Cincinnati, OH. [BIO]



Accomplishments: Received M.D. degree, University of Cincinnati College of Medicine with Honors in 2016; American Federation for Aging Research (AFAR) Medical Student Training in Aging Research (MSTAR) Program

Fellow; affiliates with acute care hospitals including Miami Valley Hospital, Atrium Medical Center.

Oladade Fatunmbi, Ph.D., Scientist / Analyst

(Pennsylvania) Greater Philadelphia Region LSAMP (Lincoln University)

Strategic Analysis Contractor, Department of Defense, Office of the Under Secretary for Research & Engineering, VA. [BIO]



Accomplishments: As AAAS Science and Technology Policy Fellow held position as Foreign Affairs Officer, Department of the State (DoS), Officer of Japanese Affairs, and also worked in Evaluation Assessment

capability Section, Office of the Director, National Science Foundation (NSF); Postdoctoral Fellowship for Academic Diversity, Department of Chemical and Biomolecular Engineering, University of Pennsylvania; and National Institute of Health Predoctoral Fellowship.

Amaliris Gonzalez Guerra, Ph.D.,
Biological Research Scientist

(Pennsylvania) Greater Philadelphia Region
LSAMP (Temple University)

Postdoctoral Research Fellow, The
Children’s Hospital of Pennsylvania,
Philadelphia, PA. [BIO]



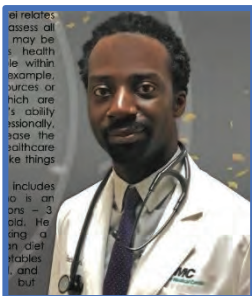
Accomplishments: NSF
Bridge to the Doctorate
Fellow; NIH T32 Ruth L.
Kirschstein Institutional
National Research Service
Award; Adjunct Professor,
Community College of
Philadelphia; 5 peer-

reviewed publication including Molecular
Therapy, the Journal of the American Society of
Gene Therapy, American Society of Hematology,
Molecular Therapy, Hematology/Oncology
Clinics, Biophysical Journal; Gene therapy
Researcher, University of Pennsylvania.

Enoch Kotei, M.D., Physician

(Pennsylvania) Greater Philadelphia Region
LSAMP (Temple University)

Primary Care Physician, ChenMed Senior
Medical Center, Atlanta, Georgia. [BIO]



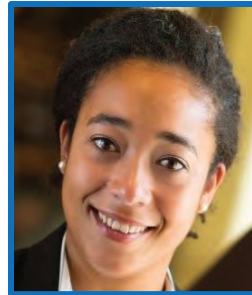
Accomplishments: M.D.
degree, University of
Illinois School of Medicine;
Residency, Emory
University School of
Medicine; Lead Physician,
Department of Adult
Medicine, Southside

Medical Center; areas of research include
Epigenetic repression of E-cadherin expression
by hepatitis B virus x antigen in liver cancer; and
certifications by the American Board of Internal
Medicine and the Georgia State Medical License
Bureau.

Virginia Kocieda, Ph.D., Environmental
Health Administrator

(Pennsylvania) Greater Philadelphia Region
LSAMP (Temple University)

Director, Lincoln County Asbestos Resource
Program, Libby, MT. [BIO]



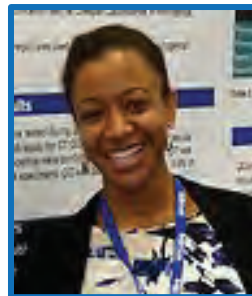
Accomplishments: NSF
Bridge to the Doctorate
Fellow; IRTA Postdoctoral
Fellowship as a Researcher
at the Rocky Mountain
Laboratories of
Intracellular Parasites,
Salmonella Host-Cell

Interactions Section, NIAID through National
Institute of Health; assigned to the U.S.
Environmental Protection Agency, Office of
Water, Office of Science and Technology, Health
and Ecological Criteria Division as an American
Association for the Advancement of Science
(AAAS) Science and Technology Policy Fellow;
and Adjunct Instructor, Flathead Valley
Community College;

Marjorie A. Janvier, M.D., M.PH.,
Physician

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Internal Medicine / Primary Care Physician,
Dimock Community Health Center,
Roxbury, MA [BIO]



Accomplishments: M.D.,
Tufts University School of
Medicine; The Alpert
Medical School of Brown
University; Internship /
Residency: Saint Elizabeth’s
Medical Center; and
affiliated with Beth Israel

Deaconess Medical Center and Miriam Hospital.

Steven Jones, Ph.D., Neuroscientist

(Pennsylvania) Greater Philadelphia Region LSAMP (Community College of Philadelphia)

Postdoctoral Researcher, University of Pennsylvania, Department of Biology, Philadelphia, PA. [BIO]



Accomplishments: NSF Bridge to the Doctorate Fellow; National Institutes of Health (NIH) and Neuroscience Scholars Program Fellowships; presented his research on “Possible Functional

Consequences of Microgravity-Dependent Myosin II Downregulation in Neurons” at Africa’s First International Conference on Mission to MARS: The African Perspective in Nigeria in October 2007; and B.S. Degree Psychology / Cognitive Neuroscience; Ph.D. degree, Neuroscience, Drexel University.

Leia Habour, M.D., Physician

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

Resident Physician, Department of Obstetrics and Gynecology, Meharry Medical College, Nashville, TN. [BIO]



Accomplishments: M.D. degree, Howard University College of Medicine; Residency: Louisiana State University Health Sciences Center, Department of Obstetrics and Gynecology; B.S. degree, Bioengineering

and Biomedical Engineering, University of Pennsylvania; Awards: Student Council President, Committee on Accreditation Standards and Compliance, and Dean’s AOA Award for Professionalism from Howard University; and 1 peer-reviewed publication in American Surgeon.

Samuel Laurencin, M.D. / Ph.D., Physician and Biomedical Researcher

(Pennsylvania) Greater Philadelphia Region LSAMP (Drexel University)

Orthopedic Surgery Chief Resident, University of Connecticut, School of Medicine, Hartford, CT. [BIO]



Accomplishments: NSF Bridge to the Doctorate Fellow; Merck Fellow; M.D. Medicine / Ph.D. Chemical Engineering, Drexel University; MetLife Foundation Award for Academic Excellence in

Medicine; and 3 peer-reviewed publications including European Cells and Materials, Research Part B Applied Biomaterials, and Acta Biomaterialia.

Angel Lucena, Ph.D., Healthcare Intelligence and Data Analyst

(Pennsylvania) Greater Philadelphia Region LSAMP (Drexel University)

Clinical Operations Analyst, Department of Behavioral Health and Development Services (DBHDS), Richmond, VA [BIO]



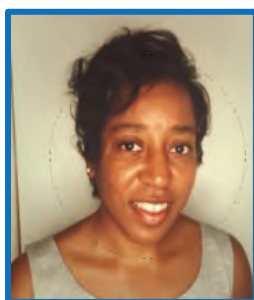
Accomplishments: NSF Bridge to the Doctorate Fellow; Soarian CPOR Consultant, Siemens Healthcare – projects include Sacred Heart Hospital, Riverside Hospital, Tri-City Hospital;

Laboratory Supervisor / Adjunct Professor, Department of Biology, Community College of Philadelphia; and 1 peer-reviewed publication in Journal of Inflammation (London, England).

Kenyatta Lucas, Ph.D., Technical Life Science Sales Representative

(Pennsylvania) Greater Philadelphia Region LSAMP (Lincoln University)

Lab Hardware and Reagent Sales Specialist, GE Healthcare, Baltimore, MD. [BIO]



Accomplishments: Ph.D., Neuroscience, Rutgers, The State University of New Jersey-New Brunswick; expert for protein, nucleic acids, filtration, and cell culture assays in academic, pharmaceutical, and

biotech areas; 4 peer-reviewed publications in The Journal of Immunology, American Journal of Pathology, Molecular Biology of the Cell, and Biochemical Journal, respectively; and Harvard University mini-MBA.

Andrea Partridge, Ph.D., Microbiology Scientist

(Pennsylvania) Greater Philadelphia Region LSAMP (Drexel University)

Scientist, Protein Science, Evotec /Merck & Co., Inc., West Point, PA. [BIO]



Accomplishments: NSF Bridge to the Doctorate Fellow; Drexel University Predoctoral Aging Initiative Fellow; 3 peer-reviewed publications in the Journals of Gerontology. Series A, Biological Sciences and

Medical Sciences, Glia, and Infection and Immunity, respectively; and co-founder of Biomedical Minority Graduate Student Association at Drexel University's College of Medicine.

Lynnelle Thorpe, Ph.D., Oncology Research Professional and Liaison

(Pennsylvania) Greater Philadelphia Region LSAMP (Delaware State University)

Client Manager, Charles River Laboratories, Morrisville, NC. [BIO]



Accomplishments: NSF Bridge to the Doctorate Fellow; M.S., Cell Biology and Physiology; University of Delaware; Ph.D., Oncology and Cancer Biology, The University of Texas Health Science

Center at Houston; Researcher, MD Anderson Cancer Center; Adjunct Professor, Lone Star College and Durham Technical Community College; Postdoctoral Fellow, North Carolina Central University; 3 peer-reviewed publications in Molecular Cancer Research, Apoptosis, and Clinical Cancer Research, respectively.

Mfon Umoh, M.D. / Ph.D., Physician & Neuroscientist

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

Resident Physician, Johns Hopkins Bayview Medical Center, Baltimore MD. [BIO]



Accomplishments: M.D. / Ph.D. Medicine, Neuroscience, Emory University School of Medicine and Postdoctoral Certification in Translational Research; BAsC Degree,

Bioengineering, University of Pennsylvania; Research Fellow, Mayo Clinic; 4 peer reviewed publications in Nature Neuroscience, EMBO Molecular Medicine, Neurology and Acta Neuropathologica. Research interest in the pathogenesis and progression of neuro-degenerative diseases.

Raina Wallace, M.D., Physician

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

General Surgery Resident, Nassau
University Medical Center, New York City,
NY. [BIO]



Accomplishments: M.D. degree, Icahn School of Medicine at Mount Sinai; research experiences with Children’s Hospital of Philadelphia through NSF REU program, Follica, Inc., and Dunn School of

Pathology at Oxford University through the Minorities in International Research Training Program; and 5 peer-reviewed publications in Annals of Vascular Surgery (2), Aging Clinical and Experimental Research (2), American Journal of Surgery.

Shivon Boodhoo, Ph.D., Administrator

(Pennsylvania) Greater Philadelphia Region
LSAMP (New Jersey Institute of Technology)

Director of Special Projects, Faculty
Awards, New Jersey Institute of
Technology, Newark, NJ. [EDU]



Accomplishments: NSF Bridge to the Doctorate Fellow; Lean Six Sigma Green Belt; authored metrics and defined key performance indicators for all manufacturing and packing sites as Analyst at

Catalent Pharma Solutions; Ph.D., Industrial Engineering and Director of Special Programs, Albert Dorman Honors College at New Jersey Institute of Technology; skilled in Human Capital development, Healthcare Management, and Systems Operations; and Tau Beta Pi Association, Inc. Chapter Administrator.

Donald Williamson, Ph.D., Professor

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Delaware)

Assistant Professor, School of Informatics,
Computing and Engineering, University of
Indiana, Bloomington, IN. [CISE]



Accomplishments: NSF Bridge to the Doctorate Fellow, Drexel University; Ph.D., Computer Science and Engineering, Ohio State University; Grant Thornton Institute for Data Exploration for Risk

Assessment and Management (GT-IDEA) Scholar; M.S. degree, Electrical Engineering, Drexel University; member of Engineering Staff, Lockheed Martin for 3 years; and 10 peer reviewed publications in The Journal of Acoustical Society of America (3), IEEE/ACM Transactions on Audio, Speech and Language Processing (2), and 2013-2017 IEEE International Conference on Acoustics, Speech and Signal Processing (5).

**Kimberley Bassett, Ph.D., Instructor
and Administrator**

(Pennsylvania) Greater Philadelphia Region
LSAMP (Lincoln University)

Instructor, Chemistry and Associate Dean,
African-American Affairs, University of
Virginia, Charlottesville, VA. [EDU]



Accomplishments: Ph.D., Chemistry, University of Virginia; designed and taught CHEM 1400 Foundations of Chemical Principles course to provide students with comprehensive exposure

to and experience with mathematical manipulations required for General Chemistry, along with an infusion of basic chemical principles.

Joan José Martínez, Ph.D., Transfer
Technology Officer

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Senior Technology Licensing Officer,
Columbia Technology Ventures, Columbia
University, New York, NY. [EDU]



Accomplishments: Ph.D.,
Bioengineering and
Biomedical Engineering,
University of Utah;
Postdoctoral Research
Fellow, Boston University;
5 peer-reviewed
publications in Journal of

Neuroscience, Hippocampus, Springer Publishing
(Neural Engineering book); Journal of
Orthopaedic Research, and Stapp Car Crash
Journal; and biomolecular engineer and business
development analyst for Anastaguard, a
biodegradable gastrointestinal stent project
development project to prevent anastomotic
leaks following gastric resection surgeries.

Mohamed Bah, Ph.D., Research
Scientist and Applications Engineer

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Delaware)

Process Engineer, Praxair Surface
Technologies, Indianapolis, IN. [ENG]



Accomplishments: NSF
Bridge to the Doctorate
Fellow; and 10 peer-
reviewed publications in
Applied Surface Science
(4), Journal of Physical
Chemistry C, Applied
Materials and Interfaces,

Vacuum, Surface and Coatings Journal, Current
Applied Physics, and Applied Polymer Science;
Research focus: materials fabrication and
characterization, and process improvement.

**Oladayo Adewole, Bioengineer
and Inventor**

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Ph.D. Candidate, Bioengineering, University
of Pennsylvania, Philadelphia, PA. [ENG]



Accomplishments: NSF
GRFP Fellow; M.Eng.,
Robotics; Weiss Tech
House Innovation Fund
recipient to continue the
development and
commercialization of

Assist3D, an initiative
offering affordable, customizable medical
technology for children with cerebral palsy;
University of Pennsylvania's 2019 President's
Innovation Prize recipient which provided
funding to "envision and implement an
innovative, commercial venture that makes a
positive difference in the world" through
InstaHub; and 4 peer-reviewed publications in
Journal of Neural Engineering, Critical Reviews in
Biomedical Engineering, Tissue Engineering Part
A 21, and Proceedings of the 2015 IEEE
International Conference on Rehabilitation
Robotics.

James A. Cooper, Ph.D., Biomedical
Engineering Consultant

(Pennsylvania) Greater Philadelphia Region
LSAMP (Lincoln University)

Founder and Director, Musculoskeletal and
Translational Tissue Engineering Research
(MATTER), Philadelphia, PA. [ENG]



Accomplishments: NIST
NRC PostDoc / Chemical
Engineer ZP-0893-III; Asst.
Professor, Department
Bioengineering, Rensselaer
Polytechnic Institute; and
34 peer-reviewed
publications.

Jefferson Cuadra, Ph.D., Mechanical Engineer Researcher

(Pennsylvania) Greater Philadelphia Region LSAMP (New Jersey Institute of Technology)

Engineer, Lawrence Livermore National Laboratory, Livermore, CA. [ENG]



Accomplishments: NSF Bridge to the Doctorate Fellow; NSF GRFP Fellow; Ph.D., Mechanical Engineering, Drexel University; and 8 peer-reviewed publications in Journal of Sound and

Vibration, Composites Part A: Applied Science and Manufacturing (2), Composites Science Technology, Elsevier- Scripta Materialia, Elsevier – Polymer, Journal of Intelligent Material Systems and Structures, and Structural Control and Health Monitoring. Fields of expertise include structural analysis and material characterization in fatigue and fracture using state-of-the-art computational methods and nondestructive testing and evaluation (NDT&E).

LaMont Cannon, Ph.D., Asst. Professor

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Delaware)

Assistant Professor, Center for the Study of Biological Complexity, Virginia Commonwealth University, Richmond, VA. [ENG]



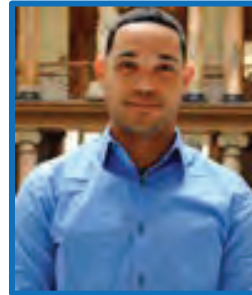
Accomplishments: Ph.D., Biomedical Engineering; Engineer, Naval Surface Warfare Center, NIH funded Postdoctoral Research Fellow, University of Pennsylvania, Perelman School of

Medicine, NIH Diversity in Research Supplement for Postdoctoral Scholars; and 4 publications in various peer-reviewed journals.

David Diaz, Ph.D., Biomedical Engineering Researcher

(Pennsylvania) Greater Philadelphia Region LSAMP (New Jersey Institute of Technology)

Clinical Research Specialist, DePuy Synthes Companies, West Chester, PA. [ENG]



Accomplishments: NSF Bridge to the Doctorate Fellow; NSF GRFP Fellow; Ph.D., Biomedical Engineering, and Founder and President of the Latino Interdisciplinary Graduate Association, Drexel

University; NIH-funded Postdoctoral Research Fellow – Diabetes Research and Medical Device Innovation, Thomas Jefferson University; Science Mentoring Diversity Program (SMDP) Fellow; and 11 publications in peer-reviewed journals including the Journal of Biomedical Optics, and Wound Repair and Regeneration. Fields of experience include device development, MDR regulation strategies, and assessment of clinical evaluation reports.

Clara Dimas, Ph.D., Professor

(Pennsylvania) Greater Philadelphia Region LSAMP (University of Pennsylvania)

Assistant Professor, Microsystems Engineering, The NOOR Lab, Masdar Institute of Science and Technology, Abu Dhabi, UAE.



Accomplishments: Ph.D., Electrical Engr., Lehigh University; and contributed to 40 publications including refereed journals, conference proceedings, invited talks and a U.S. Patent. Expertise in light

emitting devices based on nanostructures, microelectromechanical systems for adaptive optics and semiconductor processing.

Monique Hite Head, Ph.D., Professor

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Delaware)

Associate Professor, Civil Engineering,
University of Delaware, Newark, DE. [ENG]



Accomplishments: American Society of Civil Engineers (ASCE), Maryland Section, Outstanding Educator of the Year Award; University of Delaware, Department of Civil & Environmental

Engineering, Citation for Outstanding Alumni Achievement; Secretary for the National Academies of Sciences Transportation Research Board (TRB) AKB50: Committee on the Seismic Design and Performance of Bridges.

Elaida D. Dimwamwa, Ph.D. Candidate

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Ph.D. Candidate, Biomedical Engineering,
Georgia Institute of Technology, Atlanta,
GA. [ENG]



Accomplishments: NSF GRFP Fellow; NSF Diversity Supplement Award; 2016 Engineering Exceptional Service Award and M.S.E, Robotics, University of Pennsylvania; and invited to present paper on

LSAMP- funded research project entitled “Kinematic Analysis Bilateral Drinking Task after Brain Injuries” at the 37th Annual International Conference of the IEE Engineering in Medicine and Biology Society in Milano, Italy in 2015. She has contributed to 2 peer-reviewed publications, one of which she is the first author.

Jamol J. Pender, Ph.D., Professor

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Assistant Professor, Operations Research
and Information Engineering, Cornell
University, Ithaca, NY. [ENG]



Accomplishments: Ph.D., Operations Research and Financial Engineering, Princeton University; postdoctoral work as Visiting Scholar in the Department of Industrial Engineering and

Operations Research at Columbia University; Ford Foundation Fellowship Research Award; numerous peer-reviewed publications in national and international journals including Queueing Systems, SIAM Journal of Applied Mathematics, and the International Journal of Bifurcation and Chaos; and NSF Faculty Early Career Program Development (CAREER) Award. Research interests include queueing theory, applied probability, Markov processes, control theory, and mathematical finance.

Renee Oats, Ph.D., Research Engineer

(Pennsylvania) Greater Philadelphia Region
LSAMP (Lincoln University)

Mechanical Engineer, NAVSEA Warfare
Centers (NSWC/NUMC), Washington Navy
Yard, DC. [ENG]



Accomplishments: NSF Bridge to the Doctorate Fellow; Ph.D., Civil Engineering, Michigan Technological University; Postdoctoral Associate & Engineering Specialist, Morgan State University;

Research Fellow at University of Massachusetts Amherst, University of Illinois at Urbana-Champaign, Michigan Technical University, and Georgia Institute of Technology.

Denzil Roberts, Ph.D., Engineer

(Pennsylvania) Greater Philadelphia Region
LSAMP (Delaware State University)

Solutions Engineer, Internet of Things
Group, Industrial Solutions, Hillsboro, OR.
[ENG]



Accomplishments: Ph.D.,
Electrical and Computer
Engineering, University of
Missouri-Columbia; M.S.,
Physics, Delaware State
University; as a Research
Assistant, helped to

develop two state of the
art fully functional laboratories dedicated to III-V
semiconductor device design and material
science thin film growth via molecular beam
epitaxy; Senior Process Technology
Development Engineer, Intel Corporation; and
proficiency in RF Plasma and Device Physics.

Krystaufeux Williams, Ph.D., Engineer

(Pennsylvania) Greater Philadelphia Region
LSAMP (Lincoln University)

Materials Engineer, U.S. Naval Research
Laboratory, Washington, D.C. [ENG]



Accomplishments: NSF
Bridge to the Doctorate
Fellow; B.S., Mechanical
Engineering, Drexel
University; B.S., Physics,
Lincoln University; M.S.,
Physics, Delaware State
University; and Ph.D.

Materials Science, Pennsylvania State University;
and collaborator on NSF INCLUDES grant with
Delaware State University. Research Interests:
Seeking to understand the failure mechanisms
related to cracking in medium to high strength
metal alloys while it is exposed to a corrosive
environment and load is applied, i.e. stress
corrosion cracking (SCC).

Christopher Sales, Ph.D., Professor

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Associate Professor, Environmental
Engineering, Drexel University,
Philadelphia, PA. [ENG]



Accomplishments: Ph.D.,
Civil & Environmental
Engineering, University of
California, Berkeley;
Researcher: University of
British Columbia,
Vancouver, Lawrence
Berkeley National

Laboratory, and Drexel University; and 12 peer-
reviewed publications in Environmental Science:
Water Research & Technology, Current Opinion in
Biotechnology, Journal of Visualized Experiments,
Water Science and Technology (2), Water
Environment Research, Applied Environmental
Microbiology (3), Journal of Bacteriology,
Biotechnology and Bioengineering, and Water
Research. Specialties include emerging
contaminant biodegradation, functional
genomics, bioreactor optimization and design.

**Marlyse Williams - White, Ph.D., U.S.
Air Force Officer and Professor**

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Delaware)

Captain, U.S. Air Force Officer and Assistant
Professor, U.S. Air Force Academy,
Colorado Springs, CO. [ENG]



Accomplishments: Bridge
to the Doctorate Fellow;
B.S., Environmental
Engineering, M.S. in Civil
Engineering University of
Delaware; Master's thesis
published as a textbook
entitled "Land Application

of Wastewater in the Chesapeake Bay
Watershed" in 2007; Ph.D., Agricultural and
Biological Engineering, Pennsylvania State
University in 2010.

Non Yok, Ph.D., Engineer

(Pennsylvania) Greater Philadelphia Region
LSAMP (Drexel University)

Project Manager, SUDD Petroleum
Operating Company, LTD., Juba, South
Sudan. [ENG]



Accomplishments: NSF
Bridge to the Doctorate
Fellow; Ph.D., Electrical
Engineering; 5 peer-
reviewed publications and
international conference
proceedings in BMC
Bioinformatics, Current

Genomics, Annual International Conference of
the IEEE Engineering in Medicine and Biology,
and the IEEE International Conference on
Bioinformatics and Bioengineering (2); Research
Engineer, PECO Energy, and former Assistant
Professor, Mathematics, Rowan University.

**Amelia Zellander, Ph.D., Bioengineer &
Pharmaceutical Scientist**

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Scientist, Janssen Pharmaceutical
Companies of Johnson & Johnson, Raritan,
NJ. [ENG]



Accomplishments: Ph.D.,
Bioengineering, University
of Illinois at Chicago;
research experiences at TE
Bios, DePuy Mitek, and
CVPath Institute,
3 peer-reviewed
publications in the Journal

of Biomedical Materials Research Part A,
Materials Science and Engineering C, and
Advances in Biomedical Engineering Research;
and Operations and Technical Manager, U.S.
Navy for years in Surface Warfare and
Meteorology and Oceanography (METOC).

Tod A. Pascal, Ph.D., Professor

(Pennsylvania) Greater Philadelphia Region
LSAMP (Lincoln University)

Assistant Professor, NanoEngineering and
Chemical Engineering, University of
California San Diego, La Jolla, CA [ENG]



Accomplishments: Ph.D.,
Chemistry, California
Institute of Technology;
international Postdoctoral
Fellow at the Korea
Advanced Institute of
Science and Technology,
Department Energy,

Environment, Water and Sustainability; BATT
Postdoctoral Fellow and Molecular Foundry
Project Scientist, Lawrence Berkeley National
Laboratory; and 51 peer-reviewed journal
publications.

Jalaal Hayes, Ph.D., Professor

(Pennsylvania) Greater Philadelphia Region
LSAMP (Lincoln University)

Assistant Professor, Chemistry, Lincoln
University of the Commonwealth of
Pennsylvania, Lincoln University, PA. [MPS]



Accomplishments:
Youngest Ph.D. in Applied
Chemistry in America at
age 22 (from Delaware
State University); awarded
2018 Top Influential
Chemist of the Year by the
International Association of

Top Professionals; 4 peer-reviewed publications
in the International Journal of Hydrogen Energy
(2), Journal of Alloys and Compounds, and the
Journal of Physical Chemistry C; 1 patent, "A
Rubidium Hydride Catalyzed Lithium
Amide/Magnesium Hydride System for
Hydrogen Storage Applications," U.S Patent
Publication Number US2014/0326920; 3
international research presentations in England
(2) and Italy (1), respectively; and Gamma Sigma
Epsilon National Chemistry Honors Society.

Gabriela B. Gonzales Avilés, Ph.D.,
Professor

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Pennsylvania)

Associate Professor, Physics &
Astrophysics, DePaul University, Chicago,
IL. [MPS]



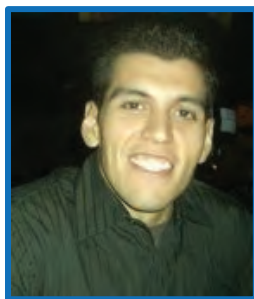
Accomplishments: Ph.D.,
Materials Science &
Engineering, Northwestern
University; Dual Major,
Magna Cum Laude: B.S.,
Materials Science and
Engineering & B.S.,
Systems Science and

Engineering and Minor in Mathematics,
University of Pennsylvania; Post-Doctoral
Fellow, European Synchrotron Radiation Facility,
Experiments Division (Grenoble, France); 7
proposals awarded beam time at the Advanced
Photon Source, Argonne National Laboratory; 1
proposal awarded beam time at the Spallation
Neutron Source, Oak Ridge National Laboratory;
4 new crystallographic structures published by
the International Centre for Diffraction Data
(ICDD) in the 2010 Release of the Powder
Diffraction File Database; and 21 peer-reviewed
publications.

Johnny Perez, Ph.D., Research Chemist

(Pennsylvania) Greater Philadelphia Region
LSAMP (Temple University)

Principal Investigator, Chemours Company,
Deepwater, NJ [MPS]



Accomplishments: NSF
Bridge to the Doctorate
Fellow; Ph.D., Chemistry,
Temple University; USDA
Researcher; Battalion Staff,
U.S. Army National Guard;
and 12 peer-reviewed
publications.

Brandon C. Presley, Ph.D., Analytical
Chemist

(Pennsylvania) Greater Philadelphia Region
LSAMP (Temple University)

Scientist, The Janssen Pharmaceutical
Companies of Johnson & Johnson, Malvern,
PA. [MPS]



Accomplishments: Temple
University Future Faculty
Fellow; 8 peer-reviewed
publications in multiple
chemistry, toxicology, and
pharmaceutical journals;
Titular Member of the
Division of Chemistry and

Human Health at IUPAC; served as a Forensic
Chemist at NMS Labs for a number of years,
serving the public and justice system; served as
an Adjunct Faculty member in the Department
of Chemistry at Temple University; and traveled
to South Korea, Denmark, Brazil and France to
promote Chemistry and Human Health.

Andro-Marc Pierre-Louis, Ph.D.,
Analytical Chemist

(Pennsylvania) Greater Philadelphia Region
LSAMP (Community College of Philadelphia)

Inorganic Analytical Advanced Scientist,
Owen Corning, Granville, OH. [MPS]



Accomplishments: NSF
Bridge to the Doctorate
Fellow: A.S., Computer
Science, Community
College of Philadelphia
(CCP); B.S., Chemistry &
Ph.D., Analytical and
Physical Chemistry,

Temple University; Senior Research Chemist,
W.R. Grace & Co.; Asst. Laboratory Manager at
CCP for 7 years; certified Lean Six Sigma Green
Belt (LSSGB), Florida Institute of Technology; and
5 peer-reviewed publications.

Shani Samuel, Ph.D., Biotechnologist

(Pennsylvania) Greater Philadelphia Region
LSAMP (Delaware State University)

Field Application Engineer, m2p-labs GmbH
I Microbioreactors, Detroit, MI. [MPS]



Accomplishments: NSF Bridge to the Doctorate Fellow; Ph.D., Applied Chemistry, Delaware State University and Graduate Student Advisor, Sigma Epsilon Chemistry Honor Society Chapter Treasurer

and Member; Organic Chemistry Intern, University of Maryland; Analytical Chemistry Intern, University of Massachusetts Amherst; Molecular Spectroscopy Product Specialist, Shimadzu Scientific Instruments; and tutor for Wyzant, Hardy Williams Academy in the School District of Philadelphia, and Howard Community College.

Yolanda Williams- Bey Ph.D., Manager

(Pennsylvania) Greater Philadelphia Region
LSAMP (Cheyney University)

Education Program Manager, Delaware EPSCoR, Delaware Environmental Institute, University of Delaware, Newark, DE. [O]



Accomplishments: NSF Bridge to the Doctorate Fellow; Ph.D., Biological Sciences, Drexel University; awarded an Intramural Research Training Award (IRTA) and conducted research as a Postdoctoral

Associate, National Institute of Allergy and Infectious Diseases (NIAID) at the National Institute of Health; Adjunct Assistant Professor, Biology, Northern Virginia Community College; and served as Co-Chair of Postdoc Teaching Fellows Committee of the Foundation for Advanced Education in the Sciences (FAES).

Honorable Monté Squire, J.D., Lawyer

(Pennsylvania) Greater Philadelphia Region
LSAMP (University of Delaware)

Administrative Patent Judge, United States Patent and Trademark Office, Alexandria VA. [O]



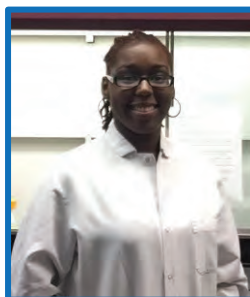
Accomplishments: Chemical Engineer; Development Engineer, LyondellBasell; appointed to current position by U.S. Secretary of Commerce; past Chair of the U.S. Magistrate Judge Merit

Review Panel; past Chair of the Delaware State Bar Association Multicultural Judges and Lawyers Section; named Super Lawyers® Rising Star in Intellectual Property Litigation; received the Widener Law BLSA Trailblazer Award, the Delaware State Bar Association MJL Section Leadership Award, and the University of Delaware Outstanding Alumni Community Service Award; published in several publications; and board member of Hope Commission and the Henrietta Johnson Medical Center in Delaware.

Shareena Cannonier, Ph.D., Contractor

(Pennsylvania) Greater Philadelphia Region
LSAMP (Lincoln University)

Safety, Health, and Environmental (SHEM) Program Analyst, U.S. Environmental Protection Agency, Narragansett, RI. [O]



Accomplishments: Ph.D., Environmental Science, Florida Agricultural and Mechanical University; Science Policy Fellow, Florida Dept. of Agriculture and Consumer Services; Educational Partnership

Program (EPP) Scholar, NOAA: National Oceanic & Atmospheric Administration.

Georgia - Alabama Louis Stokes Alliance for Minority Participation

PI - George T. French Jr., J.D., Ph.D.
President, Clark Atlanta University, Atlanta, GA
gfrench@cau.edu

Co-PIs
Conrad W. Ingram, Ph.D. - cingram@cau.edu
Daniel Teodorescu, Ph.D. - dteodorescu@cau.edu



Institutional Partners
Clark Atlanta University (Lead Institution), GA
Atlanta Metropolitan State College, GA
Georgia State University, GA
J.F. Drake State Community and Technical College, AL
Lawson State Community College, AL
Morehouse College, GA
Spelman College, GA
Paine College, GA
University of West Georgia, GA

Maya Nunley, DDS - UMKC School of Dentistry

GA-AL LSAMP (Clark Atlanta University)

Dentist at Health Core Clinic and Member of Kansas Dental Board appointed by Governor Laura Kelly



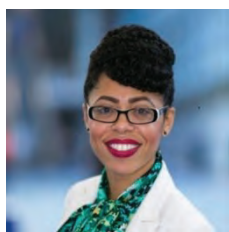
Accomplishments: Dr. Nunley earned her degree in dentistry from the University of Missouri-Kansas City School of Dentistry in 2010. She was a General Dentistry Resident

at Wichita State University's Advanced Education School, and is a member of the ADA/KDA/Wichita District Dental Society. Dr. Nunley is currently a general dentist at Health Core Clinic in Wichita. She previously served as the dental director at E.C. Tyree Health and Dental Clinic. She received her BS degree in Chemistry from Clark Atlanta University.

Knatokie Ford, Ph.D. Experimental Pathology - Harvard University

GA-AL LSAMP (Clark Atlanta University)

Former Senior Policy Advisor -White House Office of Science and Technology Policy



Accomplishments: Dr. Knatokie Ford earned her Ph.D. in Experimental Pathology from Harvard University. She served as a Senior Policy Advisor on the President's

Council of Advisors on Science and Technology in the White House Office of Science and Technology Policy, Obama Administration, where she oversees development of national initiatives to raise visibility and improve the image of STEM fields and careers. She managed concurrent projects on education technology and improving the Nation's health care system. She earned her B.S. and M.S. degrees in Chemistry and Biological Chemistry from Clark Atlanta University. She is currently a media innovation fellow at the Simon Foundation.

Bianca Islam, M.D., Ph.D., (Biochemistry and Cancer Biology) Medical College of Georgia

GA-AL LSAMP (Georgia State University)

Physician scientist at Case Western Reserve University and Resident Doctor at University Hospitals



Accomplishments: Dr. Bianca Islam was a medical researcher on The Dr. Oz Show. She earned her MD/Ph.D., (Biochemistry and Cancer Biology) from the Medical College of Georgia at Augusta University. She

earned her M.S. degree in Biology/Biological Sciences and her B.S. in Microbiology from Georgia State University. Her interests include clinical/translational research in areas including cancer prevention and treatment, gastrointestinal diseases and illnesses, gut homeostasis, various digestive, GI related and liver cancers. She served as the Vice President of the Medical College of Georgia's MD/Ph.D. American Physician Scientists Association (APSA) chapter.

Raymond Perkins, Ph.D. Operations Research & Financial Engineering - Princeton University

GA-AL LSAMP (Morehouse College)

Assistant Vice President | Quantitative Investment Analyst at T. Rowe Price



Accomplishments: Dr. Raymond Perkins earned his Ph.D. and M.A. degrees both in Operations Research & Financial Engineering from Princeton University. His research was focused on

stochastic optimization, sequential decision making, and approximate dynamic programming. He currently serves as the Assistant Vice President of Quantitative Investment Analyst at T. Rowe Price. He graduated from Morehouse College with his BA degree in mathematics and economics.

Jonathan Madison, Ph.D. Materials Science & Engineering - University of Michigan

GA-AL LSAMP (Clark Atlanta University)

Principal Scientist- Sandia National Laboratories



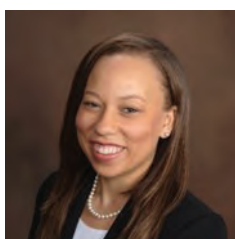
Accomplishments: Dr. Jonathan Madison is a research scientist with a background in metallurgy, currently serving as a principal member of technical staff at Sandia National Laboratories, Albuquerque NM. He earned

his Ph.D. and M.S. degrees in Materials Science & Engineering from the University of Michigan. He received his B.S. degree in Engineering from Clark Atlanta University. He has conducted research in a variety of research environments, including the Naval Research Laboratory in Washington DC, Massachusetts Institute of Technology and the University of Michigan.

Crystal Seldon, M.D. - Morehouse School of Medicine

GA-AL LSAMP (Georgia State University)

Radiation Oncology resident at Jackson Health System, North Miami Beach, Florida



Accomplishments: Dr. Sheldon is currently a Radiation Oncology resident at University of Miami Jackson Health System. She also served as Resident Physician for WellStar Health in

Miami/Fort Lauderdale Area. She obtained her MD degree from Morehouse School of Medicine and B.S. degree in biology from Georgia State University.

Bakari Vickerson, M.D. - Howard University College of Medicine

GA-AL LSAMP (Morehouse College)

Psychiatrist at Morehouse School of Medicine



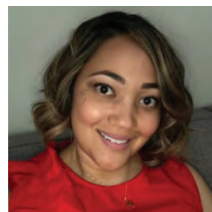
Accomplishments: Dr. Bakari Vickerson is a Psychiatrist at Morehouse School of Medicine. He completed his Psychiatry residency training at Emory University School of Medicine, where he served as Chief Resident of the Outpatient Psychotherapy

and Psycho-pharmacology Clinic. He became an Attending Physician and full-time faculty member at Morehouse School of Medicine, where he served as Medical Director of the Grady Assertive Community Treatment Team, and Director of the Community Psychiatry Rotation/ Elective and Community Learning Mentor. He graduated from Morehouse College with a B.S. degree in Biology.

Kristini Miles, Ph.D., Pharmacology and Toxicology Virginia Commonwealth University

GA-AL LSAMP (Paine College)

President at Venture Chemical Consulting LLC and Adjunct Professor, Spelman College



Accomplishments: Dr. Kristini Miles is a Board Certified Toxicologist who holds a Ph.D. degree in Pharmacology and Toxicology from Virginia Commonwealth University. She

was a Principal Toxicologist at Kimberly-Clark Corp., and a Senior Toxicologist at Kraft Foods Group. She also serves as President of Venture Chemical Consulting LLC, and as Adjunct Professor, Spelman College. She earned her B.S. in Chemistry/Biology (minor) from Paine College.

Lishann M. Ingram, Ph.D. Biomedical and Pharmaceutical Sciences – University of Georgia

GA-AL LSAMP (Clark Atlanta University)

Postdoctoral Researcher at Carnegie Institution for Science



Accomplishments: Dr. Lishann Ingram is currently a postdoctoral researcher at the Carnegie Institution for Science at Johns Hopkins University. She earned her Ph.D. in Biomedical and Pharmaceutical

Sciences from the University of Georgia. She graduated from Clark Atlanta University with a B.S. degree in Biological Sciences. During her undergraduate studies, she participated in summer interns at UGA, Spelman College and Michigan State University. Dr. Ingram has six scientific publications in peer reviewed journals.

Altonio Hosey, M.D. - SUNY Stony Brook School of Medicine- New York

GA-AL LSAMP (Georgia State University)

Resident Physician at University of Cincinnati Hospital



Accomplishments: Dr. Hosey obtained his M.D. from Stony Brook School of Medicine. He is currently a Resident Physician at University of Cincinnati Hospital. He obtained his B.S. degree in Physics for Georgia State

University, and worked at Micromeritics, Inc. as a lab analyst

Jamelia Taylor-Abrams, DPM- York College of Podiatric Medicine

GA-AL LSAMP (Georgia State University)

Board Certified Podiatrist in Medicine and Surgery, Botsford Hospital



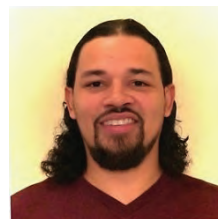
Accomplishments: Dr. Taylor-Abrams is a Board Certified Podiatrist at Botsford Hospital. She is researcher and certified Health Science Educator. She has presented her research at the 65th ACFAS

Annual Scientific Conference and various others scientific meetings including the Annual Scientific Meeting of American Podiatric Medical Association. She earned her Doctor of Podiatric Medicine Degree from New York College of Podiatric Medicine. She graduated from Georgia State University with her B.S. degree in Biology (Chemistry-Minor).

Deon O'Bryant Jr., Ph.D. Biological Science - Clark Atlanta University

GA-AL LSAMP (Atlanta Metropolitan State College)

Assistant Professor at Atlanta Metropolitan State College



Accomplishments: Dr. Deon O'Bryant, Jr. earned his Ph.D. in Biological Science from Clark Atlanta University. His research lead to significant publications in peer reviewed journals. He earned his B.S. in Biology

science from Atlanta Metropolitan State College, where has now returned as an Assistant Professor of biology. Dr. O'Bryant, Jr currently serves as the GA-AL LSAMP campus coordinator for Atlanta Metropolitan State College.

Ava Blake, J.D.- Georgia State University

GA-AL LSAMP (Georgia State University)

Associate at Baker & Hostetler LLP



Accomplishments: Ava Blake is an associate at Baker & Hostetler LLP. She is formerly an Information Disclosure Statement Specialist at Ballard Spahr LLP. Her job includes determining the

stage of prosecution for pending patent applications. She has also worked at the Center for Disease Control and Prevention and at the U.S. Environmental Protection Agency as an Environmental Scientist. She obtained her JD degree in addition to a M.S. degree in Organic Chemistry and B.S. in Chemistry from Georgia State University.

Brianna Burlock, MD/MPH (student) - Wright State University Boonshoft School of Medicine

GA-AL LSAMP (Spelman College)

Medical student at Wright State University Boonshoft School of Medicine



Accomplishments: Brianna Burlock is currently pursuing her Doctor of Medicine (MD) and Master of Public Health (MPH) degrees at Wright State University Boonshoft School of Medicine. She

serves as Vice President of the Student National Medical Association. She obtained her B.S. in Chemistry from Spelman College, where she serves as the SGGA's Director of Leadership and Student Engagement, encourage leadership skills and civic engagement in the Spelman College.

Eric Clark Jr. Doctorate in Chiropractic - Sherman College of Chiropractic

GA-AL LSAMP (Paine College)

Chiropractic Physician at AICA Ortho & Spine



Dr. Eric Clark Jr. earned his Doctorate in Chiropractic from Sherman College of Chiropractic, specializing in Wellness Care as well as Pain and Injury Care. He earned his B.S. degree in Biology

(Anatomy and Physiology) from Paine College.

Asem Abdulahad, Ph.D. Polymer Chemistry – Polymer Physics - Rensselaer Polytechnic Institute

GA-AL LSAMP (Morehouse College)

Assistant Professor at Xavier University of Louisiana



Accomplishments: Dr. Asem Abdulahad is an Assistant Professor at Xavier University of Louisiana. He earned his Ph.D. in polymer chemistry – polymer physics from Rensselaer Polytechnic

Institute. After earning his Ph. D. he was a postdoctoral associate at Virginia Tech, where he was involved in the synthesis, chemical modification, and characterization of charge containing polymers for respective biomedical applications. Among the notable awards he received were The Brown Foundation Postdoctoral Fellow for Integrated Science and the Partnerships for International Research Fellowship. Dr. Asem Abdulahad has at least five scientific publications in peer reviewed Journals. He earned his B.S. in Chemistry from Morehouse College.

Blessing Deeyaa, Ph.D. Chemistry - Johns Hopkins University

GA-AL LSAMP (Georgia State University)

Ph.D. Organic Chemist



Accomplishments: Dr. Deeya is an experienced Organic Chemist with expertise in small molecules synthesis and nucleic acids chemistry. She has a strong track record of scientific

achievement as demonstrated by publications and scientific presentations. She earned her Ph.D. Chemistry from Johns Hopkins University. She also earned her B.S. and M.S. degrees in chemistry from Georgia State University.

Cara J. Person, Ph.D. Health Behavior - University of North Carolina at Chapel Hill

GA-AL LSAMP (Clark Atlanta University)

Director of Public Health Agency Research at Association of State and Territorial Health



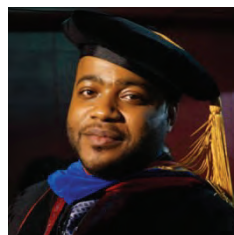
Accomplishments: Dr. Cara Person earned her Ph.D. in Health Behavior from the University of North Carolina at Chapel Hill. She earned her M.PH.in Epidemiology from Drexel University. Dr. Person earned her B.S. in

Biological Science from Clark Atlanta University. She currently serves as Director of Public Health Agency Research at Association of State and Territorial Health. She previously served as a Health Scientist at the Center for Disease Control and Prevention, and as a Council of State and Territorial Epidemiologists/CDC Applied Epidemiology Fellow at New York State Department of Health. She co-authored peer-reviewed publications on asthma self-management education and health disparities.

Marcus Johnson, Ph.D. Physical Chemistry - The University of Alabama

GA-AL LSAMP (Paine College)

Inorganic Manufacturing Chemist at SPEX CertiPrep



Accomplishments: Dr. Marcus Johnson is an Inorganic Manufacturing Chemist at SPEX CertiPrep. He earned his doctorate in Physical Chemistry from The University

of Alabama, after which he pursued postdoctoral research at the George Washington University Virginia Science and Technology Campus. He earned his B.S. degree in Chemistry from Clark Atlanta University.

Ngoc Ly Nguyen - Ph.D. Neurobiology and Behavior - Georgia State University

GA-AL LSAMP (Georgia State University)

Project Manager at Q² Solutions



Accomplishments: Dr. Ngoc Ly Nguyen is a project manager at Q² Solutions She serves as primary point of contact to pharmaceutical clients for setting up logistics and database design for bio-samples

collection/testing for the generation of data for FDA submission for drug approval. She received her Ph.D., Neurobiology and Behavior from Georgia State University. She received her BS Biological Sciences from Georgia State University. She was very active in Louis Stokes Alliance for Minority Participation Program.

Jabulani Barber, Ph.D. Inorganic Chemistry – Georgia Institute of Technology

GA-AL LSAMP (Morehouse College)

Sr. Development Engineer/Process & Product Development Engineer-Materials Engineering, Molecular Electronics, Advanced Composites, Nanotechnology at Rogers Corporation, Chandler, AZ



Accomplishments: Dr. Jabulani Barber received his Ph.D. in inorganic chemistry from Georgia Institute of Technology. He pursued Postdoctoral studies at Harvard University. He

received his B.S. in chemistry from Morehouse College. Dr. Barber claims the development of the first in market magnetodielectric hexaferrite ceramic filler for high reliability laminate products (MagTrex™).

Adrienne-Elaine Lamptey, Software Development - University of Cincinnati, Information Technology

GA-AL LSAMP (Clark Atlanta University)

Cyber Security Advisor at Office of Management & Budget



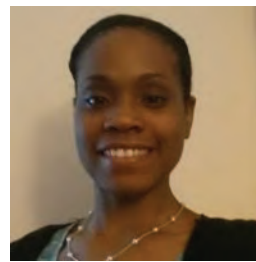
Accomplishments: Adrienne -Elaine Lamptey serves as Cyber Security Advisor for The Office of Management and Budget, with responsibility for strengthening federal cyber security through oversight

and policy development consistent with the current administration's cyber security priorities. She oversees the performance of agencies' information security programs and prioritizes cyber security investments across the federal enterprise. She obtained her B.S. Computer Science from Clark Atlanta University.

Christian Douglas, Dr.PH. Biostatistics - University of NC at Chapel Hill

GA-AL LSAMP (Clark Atlanta University)

Research Biostatistician at Social and Scientific Systems



Accomplishments: Dr. Christian Douglas earned her Doctor of Public Health degree in Biostatistics from the University of North Carolina at Chapel Hill. She is currently a Research Biostatistician at Social and Scientific Systems She

previously served as Director of Research Statistics at Duke University School of Nursing. She earned both M.S. and B.S. degrees in Mathematical and Computer Science from Clark Atlanta University.

Chris Stewart, Ph.D. Computer Science - University of Rochester

GA-AL LSAMP (Morehouse College)

Associate Professor, Computer Science & Engineering, Ohio State University



Accomplishments: Dr. Chris Stewart is Associate Professor of Computer Science and Engineering. He also Chair the IEEE Sustainable Computing STC. He earned his Ph.D. in Computer Science from University of Rochester in and his B.S. in Computer

Science from Morehouse College. Dr. Stewart has several publications in peer reviewed Journals and conference proceedings.

Marva Banks, MD/Ph.D. - Boston University School of Medicine

GA-AL LSAMP (Clark Atlanta University)

Clinical Pathologist in Augusta University Health School of Medicine, Augusta, GA



Accomplishments: Dr. Marva Banks earned her MD/Ph.D. degrees from Boston University School of Medicine where her dissertation research involved vitamin D metabolism and prostate cancer. She is currently a clinical pathologist in Augusta University Health School of

Medicine, Augusta, GA. She graduated from Clark Atlanta University with a BS/MS in Biology.

Charles Glove, Ph.D., Applied Mathematics – University of Maryland College Park

GA-AL LSAMP (Morehouse)

Associate Data Scientist, Booz Allen Hamilton, McLean, VA



Accomplishments: Dr. Charles Glove earned his Ph.D. in Applied Mathematics from the University of Maryland College Park. He is currently an associate data scientist at Booz Allen Hamilton, McLean, VA. Dr.

Glove earned his B.S. in Computer Science from Morehouse College.

Johnny Truong, Ph.D. Chemistry - University of California, Berkeley

GA-AL LSAMP (Georgia State University)

Academic Evangelist at Benchling, Inc. in San Francisco Bay Area



Accomplishments: Dr. Johnny Truong recently earned his Ph. D. in Chemistry from the University of California, Berkeley. He conducted postdoctoral research University of Utah. He working in the

software R & D at Benchling, Inc. Dr. Troung obtained his B.S. degree in Chemistry from Georgia State University.

Hao Tran, Ph.D . Cell Molecular Biology and Physiology - Georgia State University

GA-AL LSAMP (Georgia State University)

Genetic Curation Scientist at Fulgent Genetics, Inc.



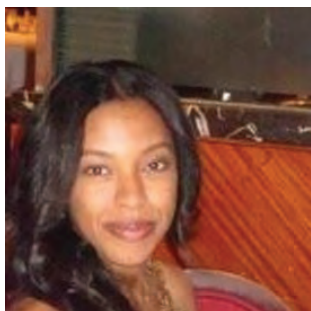
Accomplishments: Dr. Hao Tran obtained his Ph.D. in Cell Molecular Biology & Physiology from Georgia State University. He has gained significant experience gained over the

past few years in designing, executing, and analyzing experiments with a focus on immunology, metabolic disease, and the intestinal microbiota. Dr. Tran obtained his B.S. degree in Biological Science from Georgia State University. He has published three first author and eleven co-author publications in high-impact peer reviewed research journals

Natalia D. Foley, Pharm. D. - Mercer University College of Pharmacy and Health Sciences

GA-AL LSAMP (Paine College)

Sr. Clinical Account Executive at Express Scripts, Inc



Accomplishments: Dr. Natalia Foley is a senior clinical account executive at Express Scripts, Inc. She earned her Pharm. D. at Mercer University College of Pharmacy and Health Sciences. She also

earned her Bachelor of Science in Biology from Paine College.

Tyjuan Williams, DMD - Medical College of Georgia School of Dentistry

GA-AL LSAMP (Paine College)

CEO/Dentist at One Smile Away Inc



Accomplishments: Dr. Tyjuan earned DMD from Medical College of Georgia School of Dentistry. He is currently the CEO/Dentist at One Smile Away Inc. He obtained her B.S. in Biological Science from

Paine College.

Timmeda Morrah Pharm.D. - University of Colorado Health Sciences Center

GA-AL LSAMP (Georgia State University)

Staff Pharmacist at Consonus Healthcare



Accomplishments: Dr. Timmeda Morrah earned her Pharm. D. degree from the University of Colorado Health Sciences Center. She is currently a Staff Pharmacist at

Consonus Healthcare. Dr. Morrah earned her B.S. degree in chemistry from Georgia State University.

Angie Calderon, Ph.D. - Chemistry - Georgia State University

GA-AL LSAMP (Georgia State University)

Patent agent at Patent Group LLP



Accomplishments: Dr. Calderon is a former scientific Advisor at Castle Medical, LLC and toxicologist at Castle Medical, LLC. She obtained her Ph.D., MS and BS degrees in chemistry from Georgia State University.

Jean T. Vilus, M.D. - Boston University School of Medicine

GA-AL LSAMP (Morehouse)

Resident Physician · Department of Psychiatry & Behavioral Sciences, Northwestern Memorial Hospital, Chicago, IL



Accomplishments: Dr. Jean T. Vilus earned his M.D. degree from Boston University School of Medicine. He is currently a Resident Physician in the Department of Psychiatry & Behavioral Sciences, Northwestern Memorial Hospital, Chicago, IL. Dr.

Vilus earned his B.S. degree from Morehouse College.

Zerotti Woods, Ph.D. Mathematics - University of Georgia

GA-AL LSAMP (Morehouse College)

Senior Professional at The Johns Hopkins University Applied Physics Laboratory



Accomplishments: Dr. Zerotti Woods earned his Ph.D. and M.A. degrees in Mathematics from the University of Georgia. He is currently a senior research professional at the Johns Hopkins University Applied Physics Laboratory. He

obtained his B.S. degree in Mathematics from Morehouse College.

Bobby Wilson, Ph.D. Mathematics - University of Chicago

GA-AL LSAMP (Morehouse)

Assistant Professor of Mathematics
The University of Washington



Accomplishments: Dr. Bobby Wilson is an Assistant Professor of Mathematics at the University of Washington. He earned his Ph.D. in Mathematics from the University of Chicago. He was also a CLE Moore Instructor at MIT. Dr. Wilson graduated

from Morehouse College with a B.S. degree in Mathematics. He spent a semester in the Budapest Program in Mathematics. He has eight publications in peer reviewed journals.

Dennis Mcleod II, Ph.D . Counseling Psychology - University of Florida

GA-AL LSAMP (Morehouse College)

Clinical Assistant Professor at Vanderbilt University Medical Center



Accomplishments: Dr. Dennis Mcleod II obtained his Ph.D . in Counseling Psychology from the University of Florida. He now serves as a Clinical Assistant Professor at

Vanderbilt University Medical Center. Dr. Mcleod II obtained his B.S. degree in Biological Sciences from Morehouse College.

Dr. Carrie Cuevas, Pharm. D. - California Northstate University College of Pharmacy

GA-AL LSAMP (Clark Atlanta University)

Staff Pharmacist at CVS Health



Accomplishments: Dr. Carrie Cuevas earned her Pharm. D. from California Northstate University College of Pharmacy. She is currently a Staff Pharmacist at CVS Health. Dr. Cuevas

earned her B.S. degree in Biological Science from Clark Atlanta University.

Darkeyah Reuven, Ph. D. -Polymer Chemistry- Clark Atlanta University

GA-AL LSAMP (Georgia State University)

Chemist, US Environmental Protection Agency OECA, OCEFT, NEIC Denver Federal Center



Accomplishments: Dr. Darkeyah Reuven received Ph. D. in Polymer Chemistry from Clark Atlanta University. He now serves as a chemist with the US EPA at the Denver Federal Center. He was an NIH

Postdoctoral Fellow in the Department of Radiology and Imaging Sciences at Emory University, Atlanta GA. He earned his B.S. degree in Chemistry from Georgia State University and a M.S. degree in Health Care Management from Mercer University. Dr. Reuven has eight scientific publications in peer reviewed journals.

Fatima Ismail, Pharm. D. - Mercer University

GA-AL LSAMP (Georgia State University)

Pharmacy Intern at Publix Super Markets



Accomplishments: Dr. Fatima serves as a pharmacy Intern at Publix Super Markets in the Greater Atlanta Area. She received her Pharm. D. from Mercer University and her B.S. degrees in Chemistry and Biochemistry from Georgia State

University.

Charles Wilkes, Ph.D. Mathematics Education - University of Michigan

GA-AL LSAMP (Morehouse College)

Mathematics Education Professional



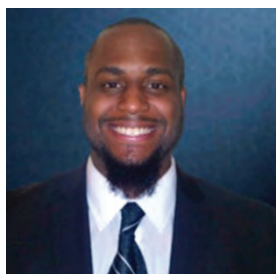
Accomplishments: Dr. Charles Wilkes earned his Ph.D. in Mathematics Education from the University of Michigan His dissertation resulted in a publication in peer review journal. Prior to going to

the University of Michigan, he participated in the Leadership Alliance Summer Research Early Identification Research Program at Vanderbilt University, scoring assessments and designing items that measured upper elementary school students' conceptions of statistics. He also had several study abroad experiences that resulted in 15 countries visited. He earned a B.S. degree in Mathematics from Morehouse College, during which he was a Gates Millennium Scholarship recipient.

Andre Thompson, Ph.D. Materials Science and Engineering - University of Michigan

GA-AL LSAMP (Morehouse College)

NRC Postdoctoral Research Associate



Accomplishments: Dr. Andre Thompson received his Ph.D. in Materials Science and Engineering from the University of Michigan. He is currently pursuing postdoctoral research. His dissertation research was published as

a manuscript in a peer reviewed scientific journal. Dr. Thompson received B.S. in Chemistry from Morehouse College.

Amber Watters- MD- Morehouse School of Medicine

GA-AL LSAMP (Georgia State University)

Residency at Morehouse School of Medicine



Accomplishments: Dr. Watters obtained her MD degree from Morehouse School of Medicine. She is currently in Residency at Morehouse School of Medicine. She obtained her B.S degree in Biology/Biological Sciences both from Georgia State

University.

Liza Ngo - Ph.D. Pharmaceutical and Biomedical Sciences- University of Georgia

GA-AL LSAMP (Georgia State University)

Senior Scientist, Neoletix Lab Tucker, Georgia



Accomplishments: Dr. Liza Ngo is a Senior Scientist at Neoletix Lab in Tucker, Georgia. Her job description is to construct plasmid vectors for protein expression in mammalian

cell, transfection and expression of antibodies in mammalian cells, purify bio-therapeutic candidates using AKTA system, and test bio-therapeutic candidates with human blood and platelets. She received her Ph.D. in Pharmaceutical Biomedical Sciences from the University of Georgia. She received her MS and BS degree in biology from Georgia State University

Alykhan Lalani, MD- Medical College of Georgia at Augusta University

GA-AL LSAMP (Georgia State University)

Vascular Surgery Resident at Louisiana State University



Accomplishments: Dr. Alykhan Lalani is a Vascular Surgery Resident at Louisiana State University. He obtained his MD degree from the Medical College of Georgia at Augusta University. Dr. Lalani obtained his M.S. degree in

Applied and Environmental Microbiology and B.S degree in biology/biological Sciences both from Georgia State University.

Taurean J. Hodges State, DDS - Meharry Medical College

GA-AL LSAMP (Morehouse College)

GA-AL LSAMP (Clark Atlanta University)

General and Cosmetic at Inlet Premier Implant & Cosmetic Dentistry



Accomplishments: Dr. Hodges earned his DDS degree from the Meharry Medical College. He pursued further training with the Dream Team Oral Surgery and Implant Specialty Group, located

in Nashville TN, before opening Inlet Premier Implant & Cosmetic Dentistry. Dr. Hodges received his B.S. degree in Chemistry from Clark Atlanta University in Atlanta GA.

Patrick Major, Pharm. D. - The University of Georgia

GA-AL LSAMP (Georgia State University)

Pharmacy Manager at CVS Health



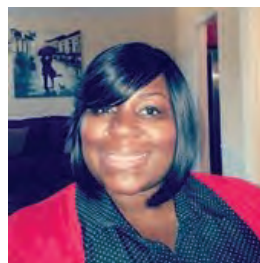
Accomplishments: Dr. Major is a recent graduate of the University of Georgia College of Pharmacy program. He has years of experience during intensive inpatient pharmacy rotations that encompassed

practicing in the settings of Oncology, Critical Care and General Medicine. Dr. Major earned his M.S. degree in Chemistry-Biochemistry and his B.S. degrees in Chemistry from Georgia State University. He also served as the Vice President of the Undergraduate STEM Research Society. For his M.S. thesis he studied the BARD1-BRCA1 heterodimer and its role in the ubiquitination pathway.

Takiwi Milton-Babalola , Ed.D. Educational Leadership and Administration - Valdosta State University

GA-AL LSAMP (Paine College)

Vice President at Georgia Council of Supervisors of Mathematics



Accomplishments: Dr. Takiwi Milton-Babalola serves as Vice President at Georgia Council of Supervisors of Mathematics. She earned her Ed. D. in Educational Leadership and

Administration from Valdosta State University. She also earned an M. Ed in Curriculum and Instruction Teaching and Learning Augusta University and a Bachelor of Science in Mathematics from Paine College.

Marcus J. Sandling, M.D. - Howard University College of Medicine

GA-AL LSAMP (Morehouse College)

Infectious Diseases Physician at Callen-Lorde Community Health Center, NY



Accomplishments: Dr. is an infectious diseases physician at Callen-Lorde Community Health Center, NY. He earned his M.D. degree from Howard University College of Medicine. Dr.

Sandling earned his B.S. in Biological Science from Morehouse College.

Michael B. Bellamy, Ph.D. Nuclear Engineering – Georgia Institute of Technology

GA-AL LSAMP (Morehouse)

Assistant Attending Physicist, Memorial Sloan Kettering Cancer Center, New York, NY



Accomplishments: Dr. Michael B. Bellamy received his Ph.D. in Nuclear Engineering from Georgia Institute of Technology. He currently serves as Assistant Attending Physicist at the Memorial Sloan Kettering Cancer Center, New York, NY. Dr. Bellamy conducted research at Oakridge National Laboratory. He received his B.S. degree in Mathematics and Physics from Morehouse College. He has over 16 scientific publications, many of which are in peer reviewed journals.

Shaun Bullard, D.M.D./M.S. - University of Florida

GA-AL LSAMP (Clark Atlanta University)

Endodontist at Buckhead Village Endodontics



Accomplishments: Dr. Bullard attended the University of Florida College of Dentistry where he completed his Doctor of Medical Dentistry Degree (D.M.D). Dr. Bullard also received his Endodontic

Specialty Certificate and M.S degree in Oral Biology from the University of Florida. During his time in residency, he was awarded as a research finalist for two consecutive years for endodontic and clinical research at the American Association of Endodontists Annual Meeting. He received a Master's degree in Endodontics from University of Florida and his Bachelor of Applied Science in Biology/Biological Sciences from Georgia State University.

Charisma D. (Edwards) Milledge, Ph. D., Electrical, Electronics and Communications Engineering - Louisiana State University

GA-AL LSAMP (Clark Atlanta University)

Project Manager, Microsoft, Houston, Texas



Accomplishments: Dr. Charisma D. (Edwards) Milledge earned her Ph. D. in Electrical, Electronics and Communications Engineering from Louisiana State University. Her interest in is

Machine Learning/Computer Vision, Digital Signal & Image Processing for Biomedical Applications, STEM Education, and Undergraduate Research Development. At Microsoft she schedules and scope large, complex programs and projects, deploying Microsoft Office 365, Adoption and Change Management, End-User training, Forefront Identity Manager and Dynamics AX. She earned her M.S. degree in Electrical, Electronics and Communications Engineering from Louisiana State University and Agricultural and Mechanical College and her B.S. degree in Engineering from Clark Atlanta University.

Laurisa A London, Ph.D. - Clark Atlanta University

GA-AL LSAMP (Clark Atlanta University)

Senior Scientist, Material Characterization, L'Oréal Corp., New Jersey



Accomplishments: Dr. Laurisa London earned her Ph.D. degree in Polymer Chemistry from Clark Atlanta University. She is currently a senior scientist at L'Oréal, Inc., where she conducts material

characterization. She obtained her B.S. degree in biology from Clark Atlanta University. During her matriculation she served as the Vice President of the CAU chapter NOBCCHE.

**Phillip Brooks, Ph.D. Comparative
Medicine and Integrative Biology-
Environmental Toxicology - Michigan State
University**

GA-AL LSAMP (Georgia State University)

**Senior Scientific Engagement Manager —
Global Education at Seven Bridges
Genomics**



Accomplishments: Dr. Brooks is a bioinformatics professional, with applied microbiology and project management experience in the biotechnology sector. Currently, he is the Senior Scientific

Engagement Manager at Seven Bridges Genomics, leading the development of software for NGS analysis, using genomic databases, and standard bioinformatics tools. He has contributed to distinctive professional and scholarly publications with several articles that addressed a diverse educational community. Dr. Brooks earned his B.S. degree in Psychology from Georgia State University.

**Quentin Johnson Ph.D. Computational Science -
University of Tennessee-Knoxville**

GA-AL LSAMP (Georgia State University)

Assistant Professor at Berry College



Accomplishments: Dr. Johnson is an assistant Professor at Berry College. He earned his Ph.D. in Computational Science from the University of Tennessee - Knoxville. Dr. Johnson conducted

postdoctoral fellowships at Oakridge National Laboratory and the National Institute for Mathematical and Biological Synthesis. He also earned his M.S. degree in Computational Science and B.S. in Chemistry from Georgia State University.

**Phong Truong Ph.D. Synthetic Organic
Chemistry -University of Maryland College
Park**

GA-AL LSAMP (Georgia State University)

Senior Scientist at FOB Synthesis



Accomplishments: Dr. Phong Truong is a Senior Scientist at FOB Synthesis with focus on the development of synthetic methods, including oxidation, metal catalysis, and asymmetric catalysis. He also

leads the design of multistep synthesis to provide access to complex and natural product-like carbo and heterocycles. He earned his Ph.D. degree in Synthetic Organic Chemistry from University of Maryland College Park. He earned a M.S. degree in Organic Synthesis from Georgia State University and his B.S. degree in Chemistry from the same institution.

**Quoc Bao Nguyen, M.D. - Morehouse
School of Medicine**

GA-AL LSAMP (Georgia State University)

**Resident Physician at Morehouse School of
Medicine**



Accomplishments: Dr. Quoc Bao Nguyen earned his M.D. from Morehouse School of Medicine. He is currently a resident physician at Morehouse School of Medicine. He earned his B.S. degree in chemistry

from Georgia State University.

Louis Stokes Louisiana Alliance for Minority Participation (LS-LAMP)

PI: Patrick Mensah, Ph.D. Patrick_mensah@subr.edu



Co-PIs:

Dr. Carrie Robison (carrie.robison@laregents.edu)

Dr. Gloria Thomas (gloriathomas@lsu.edu)

Dr. Diola Bagayoko (bagayoko@aol.com)

Institutional Partners:

Southern University and A&M College (LEAD)
Dillard University
Grambling State University
Louisiana State University
McNeese State University
Nunez Community College

Southern University New Orleans
Southern University at Shreveport
Tulane University
University of Louisiana at Lafayette
University of New Orleans
Xavier University of Louisiana



Crystal I. Leach, M.D., (Louisiana). Louisiana LSAMP (Dillard University in New Orleans, LA). - **Currently a psychiatrist at Adventist HealthCare Rehabilitation. [OTH].**

Accomplishments: Earned Medical degree from Louisiana State University Health Science Center of New Orleans, LA, Earned an MS degree in Biomedical Engineering from the University of Wisconsin-Madison, Clinical interests include general psychiatry and rehabilitation services, Continues research efforts and providing quality health care to medically underserved populations. Dr. Leach enjoys photography, watching football and playing the violin.



Jolene Robin McCaskill Ph.D., (California Louisiana LSAMP (University of New Orleans in New Orleans, LA) –

Currently Pursuing Juris Doctorate (JD) degree in Intellectual Property (IP) Law At South Texas College of Law in Houston, Texas. [OTH]
Accomplishments: Completed Ph.D. studies in Geophysics at Stanford University in 2013, Recipient of the IP Scholarship, the Haynes and Boone 1L Diversity Scholarship, the Houston Bar Association Auxiliary Charitable Fund Scholarship and a host of STCL Academic Merit Scholarship Activities, Editor for the Hispanic Law Journal, Assistant Executive Editor for the STCL Law Review, Recognized as a Langdell Scholar – Torts II.



Lewins C. Walter, Ph.D., (Georgia). Louisiana LSAMP (Dillard University in New Orleans, LA) - **Currently Postdoctoral Fellow at UT MD Anderson Cancer Center.** [BIO]

Accomplishments: Earned doctorate from Georgia State University in Biomedical Sciences, with a specialization in Molecular Immunology, Recipient of the AMGEN Award in Basic Science Research, Designed and implemented pre-clinically trails to examine the activity of gut microbiota and immune system for potential immunotherapeutic drug combinations for colon cancer prevention in murine models and human-derived intestinal organoids, Nine (9) research publications.

Kurt Watson, Ph.D., (Tennessee). Louisiana LSAMP (Dillard University in New Orleans, LA) - **Currently Instructor Basic Skills Education Program (BSEP) at MES, Inc., Fort Belvoir, VA.** [BIO]



Accomplishments: Completed Ph.D. studies in Biochemistry and Cancer Biology at Meharry Medical College in Nashville, TN, Post-doctoral Fellow at UC Davis, Specializes in molecular biology, cancer research, and cell culture techniques, Seven (7) articles in peer-reviewed journals.

Trivia Frazier, Ph.D., (Louisiana). Louisiana LSAMP (Tulane University in New Orleans, LA) - **Currently President/CEO of Obatala Sciences, Inc. in New Orleans, LA.** [BIO]



Accomplishments: Earned Ph.D. degree in Biomedical Sciences at Tulane University and a Master's degree from Johns Hopkins Engineering for Professionals in Applied Biomedical Engineering, with a focus on transitional tissue engineering, Earned Master of Business Administration

(MBA) in Finance from Tulane University – A.B. Freeman School of Business.

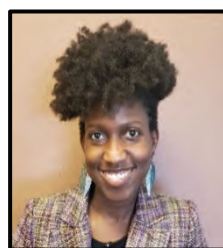
Cavin Keith Ward-Carviness, Ph.D., (North Carolina). Louisiana LSAMP (Tulane University in New Orleans, LA) – **Currently Principal Investigator in the Computational Biology Clinical Research Branch**



at the US Environmental Protection Agency. [BIO]

Accomplishments: Earned Ph.D. Degree from Duke University, Recipient of the Postdoctoral Research Fellowship at the Institute of Epidemiology II, Helmholtz Institute Munich, Germany, the US EPA Scientific and Technological Achievement Award (STAA) Level 1 (highest level) – 2018, the US Department of Energy, Office of Research and Development - Research Participation Fellowship (2012 – 2014), 34 articles in peer-reviewed journals.

Tishina Okegbe, Ph.D., (Pennsylvania).



Louisiana LSAMP (Dillard University in New Orleans, LA). – **Currently FHI 360 Senior Technical Officer Washington D.C. Metro Area** [BIO]

Accomplishments: Earned doctorate in Cell/Cellular and Molecular Biology at the University of Pennsylvania School of Medicine in 2011, AAAS Science & Technology Policy Fellow in the Diplomacy, Security & Development Program, Recipient of the National Institutes of Health (NIH) Genetics Training Grant, the University of Pennsylvania Fontaine Society International Travel Award, the NSF Graduate Research Fellowship, the Dillard University Department of Natural Sciences Highest Honors Award, the UNCF Honors Scholarship, and the 2019 Dillard University Alumni Top 40 under 40 Award, University Scholar and Honors Program Scholar at Dillard.

Patrick Carriere, Ph.D., (Georgia). Louisiana LSAMP (Louisiana State University, Baton Rouge, LA) – **Currently Graduate of the Biomedical Sciences Program at Morehouse School of Medicine (MSM).** [BIO]



Accomplishments: Earned Ph.D. in Biomedical Sciences from Morehouse School of Medicine in Atlanta, GA, Second-year medical student at Wake Forest School of Medicine, Excelled in dissertation studies and received multiple academic honors, including the Ph.D. Rising Star Award for the Most Outstanding Graduate Student, Co-Director of Outreach for the Delivering Equal Access to Care (DEAC) Student-Run Clinic at Wake Forest, Volunteer for the Office of Cancer Health Equity, Coordinates and conducts health screenings for medically underserved populations in the Winston-Salem community, Research focus area includes investigating disparities in health outcomes for prostate cancer survivors.

Paige Chandler, Ph.D., (Pennsylvania). Louisiana LSAMP. (Louisiana State University, Baton Rouge, LA) – **Currently an IP Legal Intern in the San Diego Office of Jones Day.** [BIO]



Accomplishments: Received doctorate in Integrative and Biomedical Physiology (2018) and the M.S. degree in Physiology (2013) from Pennsylvania State University, Pursuing Juris Doctorate (JD) at the University of San Diego School of Law, Area of research focus includes the molecular contribution of protein degradation in muscle hypertrophy, which greatly benefits at-risk populations such as the chronically ill and the elderly, Presented research findings at several conferences and has authored and co-authored articles in peer-reviewed journals.

Melanie Warren, Ph.D., (Texas). Louisiana LSAMP (Louisiana State University, Baton Rouge, LA) – **Currently Toxicologist at Chevron and an Adjunct Professor at Lone Star College in Texas.** [BIO]



Accomplishments: Earned doctoral degree in Toxicology from Texas A&M University in College Station, Texas, Recipient of the Dr. Patton Wright Burns Scholarship, the International Mammalian Genome Society (IMGS) Scholarship, the Carl Storm Underrepresented Minority Fellowship, the People's Choice Award, the Spring 2018 CVM-Graduate Student Association Award, and the George T. Edds Award, Seven (7) research publications in peer-reviewed journals and 15 technical presentations.

Joel K. Durand, Ph.D., (North Carolina). Louisiana LSAMP (Grambling State University in Grambling, LA) – **Currently Associate Consultant for DRG Consulting in the Greater Boston Area.** [BIO]



Accomplishments: Received doctoral degree in Biological and Biomedical Sciences at the University of North Carolina at Chapel Hill, Active member of the Consulting Club at MIT, Graduate Business & Consulting Club at UNC-Chapel Hill, the American Association for Cancer Research (AACR), and the Training Initiatives in Biomedical & Biological Sciences at UNC-Chapel Hill and four (4) technical publications.

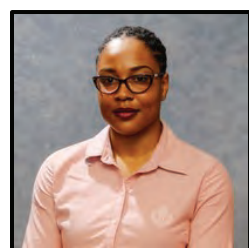
Whitney Henry, Ph.D., (Massachusetts). Louisiana LSAMP (Grambling State University, Grambling, LA) - **Currently JCC Postdoctoral**



Fellow at the Whitehead Institute at MIT in Cambridge, MA. [BIO]

Accomplishments: Earned doctorate in Biological and Biomedical Sciences at Harvard University,

Harvard Horizons Scholar, Recipient of the 2017 MASS AWIS Member Scholarship, the Jane Coffin Childs Postdoctoral Fellowship, the Howard Hughes International Pre-doctoral Research Fellowship, the Grambling State University Valedictorian Award, the UTSW Summer Undergraduate Research Fellowship (SURF), the Albert J. Ryan Fellowship, the Purdue Summer Research Opportunities Program (SROP) Fellowship, the Harvard University - Certificate of Distinction in Teaching, and the American Association for Cancer Research (AACR) Women in Cancer Research Scholar In-Training Award, Five (5) research publications.

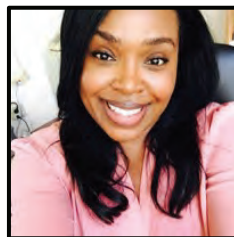


Suan D. C. Fontenard, Ph.D., (Alabama). Louisiana LSAMP (Grambling State University in Grambling, LA) - **Currently a Postdoctoral Researcher at the University of**

Pennsylvania (UPenn). [BIO]

Accomplishments: Earned doctorate in Biochemistry and Structural Biology at the University of Alabama at Birmingham in 2017, HHMI Research Scholar, Member of the Golden Key International Honor Society, Postdoctoral Researcher in the Speck in the Department of Cell and Developmental Biology at the Perelman School of Medicine at UPenn, Areas of research focus include the study of hematopoietic stem cell formation in the embryo and mutations in the transcription factor Runx1 that contribute to leukemia.

Melvenia M. Martin, Ph.D., (Louisiana).



Louisiana LSAMP (Grambling State University Grambling, LA) - **Currently Director of the Center for Undergraduate Research and Graduate Opportunity and TRiO**

Programs at Xavier University. [BIO]

Accomplishments: Earned Ph.D. degree in Interdisciplinary Environmental Biology at Tulane University, NSF Bridge-to-Doctorate Fellow, Postdoctoral Fellow at the National Institutes of Health/National Cancer Institute in Bethesda, MD, Served as an Assistant Professor of Biological Sciences at her undergraduate Alma Mater Grambling State University, Survivor of Hurricane Katrina - *Before completing her doctorate, Hurricane Katrina ravished Tulane University causing her to complete her dissertation at Brown University in Providence, Rhode Island.*

Sparkle Springfield, Ph.D., (Chicago). Louisiana



LSAMP (Grambling State University in Grambling, LA) - **Currently NIH/NHLBI Cardiovascular Prevention Postdoctoral Research Fellow at Stanford Prevention**

Research Center (SPRC), San Francisco Bay Area. [BIO]

Accomplishments: Completed doctoral studies in Integrative Pathophysiology, Human Nutrition, and Health Promotion at the University of Illinois at Chicago, Recipient of the NIH/NCI R25T Cancer Education Career Development Program Award, the NIH/NHLBI Loan Repayment Program (LRP) Award, and the NIH/NHLBI T32 Cardiovascular Prevention Fellowship, NIH/NIGMS T34 MARC U-STAR Scholar, Consultant for the Stanford School of Medicine and involved in a distinct project entitled "*Resilience and Cardiovascular Disease in the Women's Health Initiative: Description, Prediction, Geography, and Racial/Ethnic Disparities,*" Seven (7) research publications.



Russell J. Ledet, Ph.D., (New York). Louisiana LSAMP (Southern University and A&M College in Baton Rouge, LA) – **Currently a Second-year MD-MBA student at Tulane**

University School of Medicine and A.B. Freeman School of Business, New Orleans, Louisiana. [BIO]

Accomplishments: Earned Ph.D. in Molecular Oncology and Pharmacology from the New York University School of Medicine- Sackler Institute in 2018, Completed undergraduate studies at SUBR with a BS degree in Chemistry and a BS degree in Biology, NIH NCI Molecular Oncology Training Grant Awardee and 10 other awards, Co-Founder and Director of *Clear Direction STEM Mentoring Program* in New York City, NY, Scholar of the Timbuktu Academy, the Louis Stokes Louisiana Alliance for Minority Participation, and the DMRS Honors College at Southern University and A&M College, 12 technical presentations and two (2) publications on research findings.

Bryan A. Wilson, Ph.D., M.B.A, (North Carolina)



Louisiana LSAMP (Louisiana State University in Baton Rouge, LA) – **Currently Regional Medical Scientific Director within Merck Cardiovascular Medical Affairs. [BIO]**

Accomplishments: Completed Ph.D. degree in Molecular Medicine and Translational Science and Business Administration from Wake Forest University, NC, Accomplished scientist and a trailblazer in understanding mitochondrial functions in regards to renal physiology, cardiology, nutrition, and endocrinology, Active member of the American Heart Association, the American Diabetes Association and the Endocrine Society, A founding member of the Board of Directors for the New Orleans, LA-based non-profit organization *Educated on Purpose*, with “the Winston 20 articles in peer-reviewed journals.

Byron Knowles, M.D., (Tennessee). Louisiana LSAMP (Dillard University in New Orleans, LA). – **Currently Resident Physician at UCSF Medical Center San Jose, California. [BIO]**



Accomplishments:

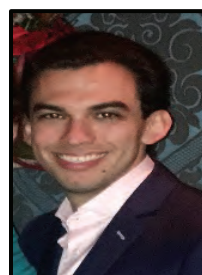
Completed Ph.D. degree in Cell and Developmental Biology at Vanderbilt University School of Medicine, Former Dermatology STAR Research Fellow at the UCLA Medical Center, Seven (7) research publications.

Skylia Duncan, Ph.D., (Alabama). Louisiana



LSAMP (Grambling State University in Grambling, LA) - **Currently Post-Doctoral Research Fellow at the Memorial Sloan Kettering Cancer Center (MSKCC) in New York. [BIO]**

Accomplishments: Received doctorate in Microbiology and Immunology from Alabama State University, Post-Doctoral Research Fellow at the Memorial Sloan Kettering Cancer Center (MSKCC) in the Greater New York City area. The focus point in the lab is studying the role of sphingolipid signaling as a stress response.



Mario Aragon, Ph.D., (New Mexico). Louisiana LSAMP (Tulane University in New Orleans, LA) – **Currently Genomics Field Application Specialist at Bio-Rad, Bethesda, MD. [BIO]**

Accomplishments: Completed doctorate in Biomedical Science (focus on Toxicology) at the University of New Mexico in Albuquerque, NM, Recipient of the Nanotoxicology Specialty Section Award during the 2015 SOT Conference, Mountain West SOT Travel Award (2014), and the Toxicology Specialty Section Paper of the Year Award in both 2016 and 2018, Nine (9) research articles and more than ten (10) technical presentations at professional conferences.

Karla Melendez, Ph.D., (Illinois). Louisiana LSAMP (Tulane University in New Orleans, LA) – **Currently Regional Sales Manager at Oracle + Netsuite, Chicago, IL.** [BIO]



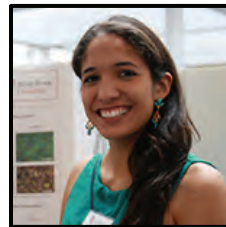
Accomplishments: Received doctorate in Neuroscience from the University of Illinois Urbana-Champaign, Joined the technology transfer office at the University of Chicago, which aides in the commercialization of the university’s research through patents and licenses, Pursued a career in industry at Wheaton Science Products in biotech sales, Currently works as a Tech Sales Leader at Oracle, Credits a large part of her continued success to the foundation that Tulane and the LAMP program provided in the earliest stages of her career.



Amisha Poret-Peterson, Ph.D., (Kentucky). Louisiana LSAMP (Tulane University in New Orleans, LA) - **Currently Research Microbiologist in the USDA Agricultural**

Research Service Crops Pathology and Genetics Research Unit in Davis, California. [BIO]

Accomplishments: Earned Ph.D. degree in Biology, University of Louisville, Recipient of the John Richard Binford Memorial Award (Dissertation Award), Carl Storm Underrepresented Minority Fellowship (Travel Grant to attend the Gordon Research Conference Molecular Basis of Microbial One-Carbon Metabolism), and the Ford Foundation Pre-Doctoral Minority Fellowship Honorable Mention, Director of a research laboratory in the Department of Plant Pathology at the University of California, Davis, Supervises over four (4) undergraduate and graduate students in her laboratory, Regularly engages in STEM outreach events, 30 peer-reviewed papers to date and has acquired approximately \$500,000 in extramural funding.



Daphne Meza, Ph.D. (New York), Louisiana LSAMP (University of New Orleans in New Orleans, LA) - **Currently Senior Scientist in cardiovascular research at Johnson & Johnson**

Services, Inc. [BIO]

Accomplishments: Earned Ph.D. degree in Biomedical Engineering from Stony Brook University, Postdoctoral Research Fellow at the Johnson & Johnson, Recipient of the President’s Award for Distinguished Graduate Students, GEM Fellowship, Turner Fellowship, and the NSF Bridge to Doctorate Graduate Fellowship, Eight (8) refereed publications and several technical presentations at professional conferences.

Dr. Portia Taylor Singh, Ph.D., (Pennsylvania).



Louisiana LSAMP (Grambling State University in Grambling, LA) - **Currently Senior Research Scientist at Phillips Research North America in Cambridge, Massachusetts.** [ENG]

Accomplishments: Earned doctorate in Biomedical Engineering at Carnegie Mellon University, Serve on President Obama’s Second Term Agenda Cross-agency Workgroup, Former Co-Chair of the QoLT Student Leadership Council and Vice-President of the Math and Computer Science Club at GSU, Hardy-Apfel IT Fellow/Computer Scientist at the Social Security Administration, Active memberships in the Alpha Lambda Delta Honors Society, the Graduate Biomedical Engineering Society, and the Quality of Life Technology Center Diversity Tasks Force, Research interests include developing solutions to help the elderly and people with chronic illnesses manage their health at home, Leads an interdisciplinary team of researchers, developers, and designers in the U.S. and India.



Talea Mayo, Ph.D., (Texas). Louisiana LSAMP (Grambling State University in Grambling, LA) - **Currently Assistant Professor in the Department of Civil,**

Environmental, and Construction Engineering at the University of Central Florida in Orlando, FL. [ENG]

Accomplishments: Earned doctorate from the University of Texas-Austin in Computational Science, Engineering and Mathematics, Developer of the coastal ocean model ADCIRC, Extensive research experience in coastal flooding due to tides and hurricane storm surges and numerical wave modeling for the assessment of renewable wave energy.



Natalie Arnett, Ph.D., (Virginia). Louisiana LSAMP (Grambling State University in Grambling, LA) – **Currently Chair of Life and Physical Sciences Department**

and Associate Professor of Chemistry at Fisk University. [ENG]

Accomplishments: Completed Ph.D. studies in Macromolecular Science and Engineering at Virginia Tech University, Chemist with over 15 years of experience in synthesis and characterization of monomers and high-performance polymers, Areas of research focus also include engineering of various polymeric materials for use in fuel cells, reverse osmosis, nanoparticles, and tissue engineering applications, Three (3) research publications.



Rose-Ann Blenman-Abange, Ph.D., (Pennsylvania). Louisiana LSAMP (Dillard University in New Orleans, LA) – **Currently Principal Consultant at RoseCeutics LLC, located in Dublin, PA. [ENG]**

Accomplishments: Completed Ph.D. studies in Biomedical Engineering (imaging) from the Mayo Clinic Graduate School of Biomedical Sciences, Possesses extensive experience in the biotechnology industry, Skilled in Strategy Consulting, Project Management, Biomarkers, Medical Devices, Spectroscopy, Oncology, and Data Science, she is also certified in Project Management and is a Six Sigma Green Belt, she has won numerous awards for her contributions to scientific research and for her volunteer efforts.

Jeff Josiah, Ph.D., (Arizona). Louisiana LSAMP (Dillard University in New Orleans, LA) -



Currently Sr. Principal Systems Engineer, Electrical Subsystems Directorate at Raytheon in Tucson, AZ. [ENG]

Accomplishments: Earned doctoral degree in Electrical and Computer Engineering from the University of Arizona, Certified Information Systems Security Professional, Associate of (ISC)² and CompTIA Advanced Security Practitioner. Dr. Josiah works on transitioning to modular power product effort while continuing to support model-based systems engineering for electrical subsystems through functional strategy and project execution. Other attributes include RASP, a Ph.D. participant with Electrical subsystems Architect, Strategy Lead for Electrical Subsystems Directorate, Deputy, Secure Products Group/Sr. Principal SE, Systems Design & Performance Directorate and Program Manager with A&MDS Product Line.



Justin Boone, Ph.D., (Florida). Louisiana LSAMP (Southern University and A&M College in Baton Rouge, LA) – **Currently Graduate Advisor for the National Society of Black Engineers (NSBE) and RF Engineering**

Senior Manager at Lockheed Martin Space in Denver, CO. [ENG]

Accomplishments: Earned Ph.D. in Electrical Engineering from Florida International University in 2013, Ford Foundation Fellow, NSF/LSAMP Bridge to the Doctorate Fellow, NSF International Research and Education in Engineering Fellow (IREE), Scholar of the Timbuktu Academy, the Louis Stokes Louisiana Alliance for Minority Participation (LS-LAMP), and the DMRS Honors College at SUBR, Recipient of the Northrop Grumman Corporation Performance Recognition Program Award and the Alfred P. Sloan Foundation Scholarship, International Research Internship participant at Shanghai Jiatong University in Shanghai, China, Six (6) peer-reviewed articles, including one (1) US Patent, and a book entitled *“The Transition: A Guide to Graduate School Success.”*



Frank Alexander, Ph.D., (Florida). Louisiana LSAMP (Southern University and A&M College in Baton Rouge (SUBR), LA) – **Currently Research Scientist at The**

Geneva Foundation in Washington, D.C. [ENG]

Accomplishments: Earned Ph.D. in Electrical Engineering from the University of South Florida (USF) in 2014, NSF Bridge to the Doctorate Fellow, GEM Fellow, Whitaker Foundation International Fellow, NSF/ASEE Engineering Innovation Fellow, NSF International Research and Education in Engineering (IREE) in China Fellow, NSF Graduate Research Fellow, Timbuktu Academy and LS-LAMP Scholar at SUBR, 25 scientific publications in peer-reviewed journals.



Jeremiah T. Abiade, Ph.D., (Florida). Louisiana LSAMP (Southern University and A&M College in Baton Rouge (SUBR), LA) – **Currently Coordinator for the University of Illinois at Chicago (UIC) LSAMP**

Program and Associate Professor in the Department of Mechanical and Industrial Engineering at UIC. [ENG]

Accomplishments: Earned Ph.D. degree in Materials Science and Engineering from the University of Florida in 2004, Director of the Laboratory for Oxide Research and Education (LORE) at UIC, Faculty and Student Team (FaST) participant-Brookhaven National Laboratory, NSF-Alliance for Graduate Education and the Professoriate (AGEP) Fellow, Recipient of the Oak Ridge Associated Universities-Ralph E. Powe Junior Faculty Award, and the Presidential Award for Leadership -University of Florida, Scholar of the Timbuktu Academy and LS-LAMP, 20 peer-reviewed journal publications.

Brandon Cassimere, Ph.D., (Indiana), Louisiana LSAMP (Southern University and A&M College in Baton Rouge (SUBR), LA) – **Currently Senior Electrical Engineer for ExxonMobil in Houston, Texas. [ENG]**



Accomplishments:

Completed Ph.D. degree in Electrical and Computer Engineering at Purdue University in 2008, Purdue Doctoral Fellow, Bilisland Dissertation Fellow, Integrative Graduate Education and Research Traineeship (IGERT) Fellow, GEM Fellow, Recipient of the AGEP Faculty Grant Award, the ECE Outstanding and Student Achievement Award, the ExxonMobil Advanced Skill Milestone Award, the Grainger Foundation Energy Sources and Systems Award, the Rockwell Collins Merit Award, and Scholar of the Timbuktu Academy and LS-LAMP, 12 publications in renown journals.

Aubry Turner, Ph.D., (Louisiana). Louisiana LSAMP (Southern University and A&M College in Baton Rouge (SUBR), LA) – **Currently Academic Advisor and Faculty/ Manager at Franciscan Missionaries of Our Lady University**



(FranU). [EDU] Accomplishments: Earned doctorate in Educational Leadership and Research (2018) and a Master of Arts (MA) degree in Higher Education Administration (2009) from Louisiana State University (LSU), Completed K-12 Teaching Certification at SUBR in 2011, Creator of the “*Grooving and Learning*” YouTube Channel for children and parents, Scholar of the Timbuktu Academy LS-LAMP at SUBR, Recipient of the Student Minority Access to Research and Training (SMART) Scholarship, and the ExxonMobil Bernard Harris Summer Science Camp (EM-BHSSC) at SUBR, Elected Staff Council President for two (2) consecutive years at FranU.

Sandra L. Richardson, Ph.D., (Indiana). Louisiana LSAMP (Dillard University in New Orleans, LA). - **Currently Program Director at the National Science Foundation (NSF) in the Division of Undergraduate Education**



in the Directorate of Education and Human Resources. [MPS]

Accomplishments: Completed Ph.D. studies in Mathematics Education from Purdue University, Lead Program Officer for the NSF Robert Noyce Teacher Scholarship Program, Former Joint Faculty Appointment in the Department of Mathematics and the Department of Teacher Education at Lamar University in Beaumont, TX, Former Associate Professor of Mathematics at Virginia State University in Petersburg, VA, Featured on the YouTube Channel, “*LSAMP 25 Years,*” in 2017, describing how her participation in LS-LAMP through the mentorship of Dr. Joe Omojola while at Dillard University in New Orleans, LA.

Kim Michelle Lewis, Ph.D., (Michigan). Louisiana LSAMP (Dillard University in New Orleans, LA) - **Currently Associate Dean of Research, Graduate Programs, and Natural Sciences and Professor of Physics in the College of Arts and Sciences at Howard University. [MPS]**



Accomplishments: Earned Ph.D. in Applied Physics from the University of Michigan, Recipient of the Howard University ADVANCE-IT Faculty Fellowship, the 13th National Role Models Award, and the National Science Foundation (NSF) CAREER Award, 23 publications, and over 17 awards, honors, and professional distinctions. Dr. Lewis’ research expertise is in quantum transport in nanoscale structures, such as thin films and molecular junctions using techniques that include inelastic electron tunneling spectroscopy and scanning probe microscopy.



Enrique Jackson, Ph.D., (Tennessee). Louisiana LSAMP (Dillard University in New Orleans, LA) - **Currently Aerospace Polymeric Engineer at George C. Marshall Space**

Flight Center in Huntsville, AL, Part-time Instructor of Mathematics at the University of Alabama, and an Adjunct Professor at Strayer University. [MPS]

Accomplishments: Doctoral degree in Materials Science from Vanderbilt University, Master’s degree in Chemistry from the University of Huntsville, AL, Master’s degree in Physics from Fisk University in Tennessee, Master’s Degree in Materials Science from Norfolk State University in Norfolk, VA, 28 technical publications, 10 awards, honors, and professional distinctions. Dr. Jackson is skilled in Life Cycle Planning, Materials Science, Thermal Analysis, Spectroscopy, and Systems Engineering.

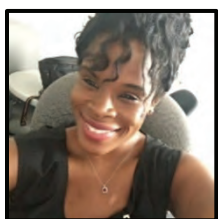
Kelly L. Nash, Ph.D., (Texas). Louisiana LSAMP



(Dillard University in New Orleans, LA) - **Currently Associate Professor at the University of Texas at San Antonio, Department of Physics and Astronomy.**

[MPS]

Accomplishments: Earned doctoral degree from the University of Texas at San Antonio and a Master's degree in Applied Physics from the University of Michigan, Acquired sponsored funding (grants) from the US Department of Energy/National Nuclear Security Agency (DOE/NNSA), the US Department of Defense, the US Department of Air Force, the San Antonio Area Foundation and NSF, 32 peer-reviewed articles, two (2) book chapters, and over 17 awards, honors, and professional distinctions including the Young Investigator Program Award from the US Department of Defense, Air Force Office of Scientific Research, Scientific research focuses on the synthesis and characterization of nanomaterials and their physical interactions with biological systems, from the molecular to the cellular levels.



Tamara Singleton-Goyea, Ph.D., (Maryland). Louisiana LSAMP (Dillard University in New Orleans, LA) - **Currently Professional Data Scientist in the Applied Physics**

Laboratory, Washington D.C. [MPS]

Accomplishments: Completed doctoral degree in Applied Mathematics and Scientific Computing at the University of Maryland, College Park, MD, and a Master's degree in Mathematics from Tulane University, Research interests include data assimilation, ensemble Kalman filtering, scientific computing, numerical and mathematical modeling, atmospheric and oceanic sciences, Serves as Assistant Director for Recruitment and Co-Curricular Programs at the University of Maryland, College Park, and Program Coordinator for the Math Summer Program in Research and Learning (SPIRAL) at the university.

Leyte Winfield Ph.D., (Louisiana). Louisiana



LSAMP (Dillard University in New Orleans, LA) - **Currently Division Chair for Natural Sciences and Mathematics and Associate Professor at Spelman College in Atlanta, Georgia. [MPS]**

Accomplishments: Earned Ph.D. in Organic Chemistry from the University of New Orleans, Post Graduate Certification, Academic Leadership, the Chicago School of Professional Psychology, Established new strategies for structured curricular reform as Department Chair of Chemistry and Biochemistry at Spelman College, Service track-record includes several leadership roles such as Interim Associate Provost of Research, and Directorships for the NSF-funded HBCU-UP ASPIRE, the ExxonMobil WISE Scholars, NIH funded Women of Color Legacy (WCL), and the Endowed Department of Chemistry & Biochemistry Scholars programs, eight (8) honors and awards-one of which is the Women's International Study Center Fellow, 56 research publications and six (6) patents.

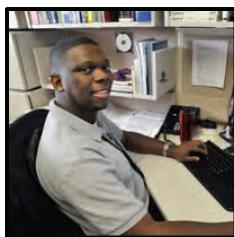


Alesha Harris, Ph.D., (Texas). Louisiana LSAMP (Dillard University in New Orleans, LA). - **Currently Senior Assistant Scientist (Lieutenant) Commissioned Corps of the U.S. Public**

Health Service Dallas/Fort Worth, TX. [MPS]

Accomplishments: Earned doctorate from the University of North Texas in Inorganic Chemistry, Recipient of a Postdoctoral Research Associate position at Brookhaven National Laboratory in the Neutrino and Nuclear Chemistry group and the Outstanding Young Scholar Award ACS Nano and ACS Nano Letters during the 6th International Conference on Nanotoxicology, Research focus in metal-loaded polymeric nanoparticles as potential cancer therapeutics, Six (6) awards, honors, and professional distinctions.

Andre A. D. Adams, Ph. D., (Louisiana).



Louisiana LSAMP (Grambling State University in Grambling, LA) - **Currently Research Chemist at Naval Research Laboratory Washington D.C. Metro Area.**

[MPS]Accomplishments: Earned Ph.D. degree from Louisiana State University in Bioanalytical Chemistry at Louisiana State University, Developed micro/nanofluidic immunoassay platforms directed towards analysts ranging from trace explosives to low abundant biological targets, One (1) research publication including *“Microsystems for the Capture of Low-Abundance Cells*

Hassan Moore, Ph.D., (District of Columbia).



Louisiana LSAMP (Dillard University in New Orleans, LA) - **Currently Assistant Professor and Director of Outreach at the University of Alabama.** [MPS]

Accomplishments:

Completed Ph.D. degree in Atmospheric Physics from Howard University, Engages high school students in robotics design through the Blazer BEST Robotics competitions in Birmingham, AL, a hub for the national BEST (*Boosting Engineering Science and Technology*) Robotics Program, Engages K-12 students in first-hand knowledge and hands-on experiences in areas of engineering through the design and deployment of robots built from plywood and sheet metal.

Betty Booker, Ph.D., (Alabama). Louisiana



LSAMP (Grambling State University) – **Currently Senior Scientist in R&G at Advanced Cell Diagnostics in San Francisco Bay Area.** [MPS] **Accomplishments:**

Earned Ph.D. degree in Biochemistry and Molecular Genetics from the University of Alabama at Birmingham, UNCF-Merek Fellow, Research specialty area in field assays biomarker analysis, capturing gene expression that can be visualized within intact tissue, Four (4) articles in peer-reviewed journals.

Wendell Griffith, Ph.D., (Massachusetts).



Louisiana LSAMP (Grambling State University, Grambling, LA) -**Currently Director of Proteomics and Protein Biomarkers Cores at the University of Texas at San Antonio (UTSA).** [MPS]

Accomplishments: Earned Ph.D. degree in Chemistry from the University of Massachusetts (Amherst) in 2005, Postdoctoral Fellow at Johns Hopkins School of Medicine, Former Assistant Professor at the University of Toledo (2007-2015), Research specialty in the development and application of novel methods to discover and validate protein biomarkers of disease, which are promising therapeutic targets for new drugs, Six (6) articles in peer-reviewed journals.



Marsha Cole, Ph.D., (Louisiana). Louisiana LSAMP (Grambling State University) – **Currently Lecturer of Chemistry at Louisiana Tech University.** [MPS]

Accomplishments:

Completed Ph.D. degree in Analytical Chemistry at Louisiana State University in Baton Rouge, LA, Recipient of the Thurgood Marshall College Fund Scholarship, the Lloyd N. Ferguson Young Scientist Award (NOBCChE), the Harriet G. Jenkins Pre-doctoral /NASA Fellowship, the LS-LAMP/NSF Bridge-to-Doctorate Fellowship, the Sugar Industrial Technologists International Awards (3x), and the American Sugarcane League Research Award Recipient (2x), Siemen's Foundation Scholar, NIH-RISE Scholar, Colgate Palmolive Intern, Mary Kay Incorporated Intern, NASA Jet Propulsion Laboratory Intern, 39 publications scientific journals, Featured scientist in *PopSci Italia* for work in bioanalytical chemistry and infectious disease.

Ashley Wallace, Ph.D., (Ohio). Louisiana LSAMP (Southern University and A&M College in Baton Rouge, LA) – **Currently Assistant Director of Education and Outreach for the Laboratory for the Research of the Structure of Matter (LRSM), an NSF-**



funded Center for Materials Science at the University of Pennsylvania. [MPS]

Accomplishments: Earned Ph.D. in Chemistry, in 2017, from The Ohio State University, Scholar of the Timbuktu Academy, LS-LAMP, and the DMRS Honors College at SUBR, Community Outreach Chairperson of the Greater Philadelphia Professionals Chapter of the National Society of Black Engineers (NSBE) Former Diversity and Education Coordinator for the Center for Engineering MechanoBiology (CEMB), an NSF-funded science and technology center, Four (4) articles in peer-reviewed journals.

Treva Brown, Ph.D., (Louisiana). Louisiana LSAMP (Louisiana State University, Baton Rouge, LA) – **Currently Physical Scientist for the Naval Research Laboratories at NASA Stennis Space Center (Stennis Space Center, MS).** [MPS]



Accomplishments: Earned Ph.D. in Chemistry from the University of New Orleans, in 2017, Enhanced research capacity of Chemistry Department at the University of New Orleans (UNO) through forged collaborations with Tulane University and Louisiana State University (LSU), Recipient of the Louisiana Board of Regents Graduate Fellowship, Extensive research experience in atomic force microscopy and scanning probe lithography, Earned numerous awards for her leadership skills and dedication to STEM outreach, Motivational and empowerment speaker.



Divine Kumah, Ph.D., (Michigan). Louisiana LSAMP (Southern University and A&M College in Baton Rouge, LA) – **Currently Director of the Kumah Synthesis and**

Characterization Laboratory and Assistant Professor in the Department of Physics at North Carolina (NC) State University. [MPS]

Accomplishments: Earned Ph.D. degree in Applied Physics from the University of Michigan in 2009, Christine Mirzayan Science Policy Fellow of The National Academies of Sciences, Engineering, and Medicine, Postdoctoral Research Fellow at the Center for Research in Interface and Surface Phenomena at Yale University, Established The Kuman Research Group at NC State, Scholar of the Timbuktu Academy, the Louis Stokes Louisiana Alliance for Minority Participation, and the DMRS Honors College at Southern University and A&M College, 96 publications in peer-reviewed, scientific journals.



Anthony Duane Stewart, Ph.D., (Florida). Louisiana LSAMP (Southern University and A&M College in Baton Rouge, LA) – **Currently Director of the Electro-Chemistry and Energy**

Research Laboratory (EERL), funded by the Department of Energy/National Nuclear Security Administration (DOE/NNSA), and Assistant Professor of Physics at SUBR. [MPS]

Accomplishments: Earned Ph.D. in Materials Science and Engineering (Electronic Materials) from the University of Florida in 2008, Region II College Initiatives Chairperson on the Executive Leadership Board for the National Society of Black Engineers (NSBE), Former Co-Director of the DOE-funded Environmental Justice Institute (EJI) at Allen University in Columbia, SC, Former Director of the Catalysis Laboratory at Allen University (CLAU), Visiting Research Scientist at Los Alamos National Laboratory (LANL), and LS-LAMP at SUBR, Eight (8) technical publications in peer-reviewed journals.

Cacey Stevens-Bester, Ph.D., (Illinois).



Louisiana LSAMP (Southern University and A&M College in Baton Rouge (SUBR), LA) – **Currently Assistant Professor of Physics at Swarthmore College and a Post-Doctoral Research**

Fellow at the University of Pennsylvania in Philadelphia, PA. [MPS]

Accomplishments: Earned Ph.D. in Physics from the University of Chicago in 2015, National Science Foundation (NSF) Graduate Research Fellow, American Physical Society (APS) Scholar, Science and Engineering Alliance (SEA) Scholar, Duke University Provost's Postdoctoral Fellow, Recipient of the University of Chicago MRSEC Director's Award for Research, Teaching, and Outreach, the Southern University and A&M College Chancellor's Award, and the DMRS Honors College at Southern University and A&M College, 30 technical publications.

Rashanique Quarels, Ph.D., (Louisiana).



Louisiana LSAMP (Southern University and A&M College in Baton Rouge, LA) – **Currently Organic Chemistry Postdoctoral Research Associate in the Jeffrey N. Johnston Laboratory at Vanderbilt**

University. [MPS]

Accomplishments: Earned Ph.D. degree in Organic Chemistry from Louisiana State University in 2017, Recipient of the Vanderbilt Academic Pathways Fellowship, Ronald E. McNair Scholar, American Chemical Society Scholar, and United Negro College Fund-Merck (UNCF/Merck) Undergraduate Fellow, Scholar of the Timbuktu Academy, the Louis Stokes Louisiana Alliance for Minority Participation, and the DMRS Honors College at Southern University and A&M College, Seven (7) research publications.



Kinesha Harris, Ph.D., (Iowa). Louisiana LSAMP (Southern University and A&M College in Baton Rouge (SUBR), LA) – **Currently Assistant Professor of Chemistry in the Department of**

Chemistry and Biological Sciences at SUBR. [MPS]

Accomplishments: Earned the Ph.D. in Bio-Inorganic Chemistry, in 2006, from the University of Iowa, Awarded Visiting Professorship/Researcher at Princeton University through the Quality Education for Minorities (QEM) Network HBCU-UP Leadership Institute, Recipient of the Science and Engineering Alliance (SEA) Award and the American Chemical Society Organic Chemistry Award, Southern University NSF HBCU-UP STEM Hall of Fame Inductee, Girl Scout Leader for middle and high school-aged girls, Six (6) scientific publications in peer-reviewed journals.

Conrad Jones, Ph.D., (Iowa). Louisiana LSAMP (Southern University and A&M College in Baton Rouge (SUBR), LA) – **Currently Faculty Researcher and Associate Professor in the Department of Chemistry and Biological Sciences at SUBR.** [MPS]



Accomplishments: Earned doctoral degree in Physical Chemistry, in 2004, from the University of Iowa, Scholar of the Timbuktu Academy, and LS-LAMP at SUBR, Recipient of two (2) distinct Faculty Research Fellowships at NASA Glenn Research Center, Department of Homeland Security (DHS) Faculty Fellow/Visiting Scientist at Texas Tech University, Visiting Scientist at the China Lake Naval Research Facility, Seven (7) refereed publications in research journals.

Phyllis Okwan, Ph.D., (Louisiana). Louisiana LSAMP (Southern University New Orleans in New Orleans, LA). - **Currently Assistant Professor of Mathematics (Southern University and A&M College, Baton Rouge (SUBR), LA).** [MPS]



Accomplishments: Earned doctoral degree in Science/Mathematics Education (SMED) from Southern University and A&M College in 2016, Recipient of the National Role Model Award in 2015, and the Gulf State Mathematics Alliance Outstanding Service Award, Elected National Editor for the Beta Kappa Chi Scientific Honor Society and the National Institute of Science (BKX/NIS, LS-LAMP Departmental Mentoring Coordinator for Mathematics at SUBR, Former Program Coordinator for the Enhancement, Enrichment, and Excellence in Mathematics and Science (E3MaS) Program at SUNO, Co-Principal investigator for a \$400,000 research grant through NSF and HBCU-UP to develop Computer Engineering Research Lab (CERL), an industry-based facility, at SUBR, Extensive pre-college outreach efforts include mentoring, along with tutoring, and recruiting students in STEM disciplines.



Torina Lewis, Ph.D., (Louisiana). Louisiana LSAMP (Southern University New Orleans in New Orleans, LA). - **Currently Associate Professor and Chair of the Mathematics**

Department at Clark Atlanta University). [MPS] **Accomplishments:** Earned Ph.D. degree in Mathematics from the University of Mississippi, Earned an MS degree in Mathematics from Southern University in Baton Rouge, LA, received the 2017 Vulcan Teaching Excellence award from Vulcan Materials Company, greatest career accomplishment is being highlighted as a part of the 2020 Mathematically Gifted and Black series.



Nenian Charles, Ph.D., (Pennsylvania). Louisiana LSAMP (Grambling State University) – **Currently Data Scientist at Quantum Discoveries in the Greater**

Boston Area. [OTH] **Accomplishments:** Earned doctoral degree in Materials Science at Drexel University, Earned an MS degree in Engineering Physics/Applied Physics at Louisiana Tech University in Lafayette, LA, Expertise in solid-state physics and energy research with extensive experience in solving problems through the utilization and development of codes and models, Five (5) journal publications.

Western Alliance to Expand Student Opportunities (WAESO) Arizona

PI: Jean M. Andino, Ph.D., P.E.

jean.andino@asu.edu



Co-PIs:

Ana Moore, Ph.D. amoore@asu.edu

Robert Ibarra, Ph.D. raibarra@unm.edu

Names of Institutional Partners:

Legend:1991 to (a)Present, (b)2016, (c)2011, (d) 2006, and (e)1996; or 1996 to (f) 2011 and (g) 2016

In Arizona (AZ): AZ State Univ.(lead)^a, Univ. of AZ^a, Maricopa Community College (CC) System^a, Chandler/Gilbert CC^a, Estrella Mountain CC^a, Gateway CC^a, Glendale CC^a, Mesa CC^b, Paradise Valley CC^b, Phoenix College^a, Rio Salado CC^b, Scottsdale CC^b, South Mountain CC^a Cochise College^b, Dine College Tsail^b; **In Colorado (CO):** CO State Univ.^d, Univ. of CO at Boulder^d, CO School of Mines^d, Univ. of Southern CO^d, Regis Univ.^a Mesa State College^c, Pikes Peak CC^c, Pueblo CC^d; **In New Mexico (NM):** Univ. of NM^c, NM State Univ.^e, NM Inst. of Mining and Tech.^c, NM Highlands Univ.^c, Eastern NM Univ.^c, NM State Univ. Grants^e, Northern NM College^c, Santa Fe CC^c, Dine College Shiprock^c, Western NM Univ.^f; **In Nevada (NV):** Southern NV CC^g, Univ. of NV Las Vegas^f, Univ. of NV Reno^g; **In Texas:** El Paso CC^c; **In Utah (UT):** Univ. of UT^a, UT State Univ.^b, Brigham Young Univ.^a Southern UT Univ.^b, Weber State Univ.^b, Salt Lake CC^b, UT Valley Univ.^a

Shawn Archibeque, Ph.D., Associate Professor of Animal Science

(Colorado). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Colorado State University)

Associate Professor of Animal Sciences at Colorado State University. [A]



Accomplishments: Shawn is a ruminant nutritionist whose research is primarily focused on the development of management strategies to adapt to and mitigate environmental impacts. He assisted in further development of the USDA Comet Farm online tool and has more than 40 publications.

Andrew P. Breksa, Ph.D., Research Chemist (Utah). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Brigham Young University)

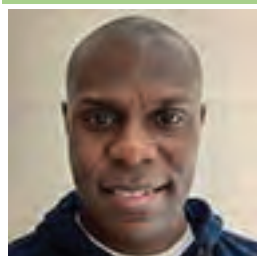
Research Chemist at the USDA Agricultural Research Service Western Regional Research Center in Albany, CA. His work focuses on healthy processed food research. [A]



Accomplishments: He has maintained a highly active publishing record and currently has over 58 peer-reviewed publications in the area of food research.

Mark Carty, Ph.D., Computational Scientist (Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Computational Scientist at Tempus Labs in New York, NY. [BIO]

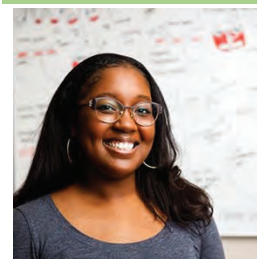


Accomplishments: Conducts research focused on the development of statistical models for early non-small-cell lung carcinoma recurrence. Former Postdoctoral Research Associate, Department of Computer Science, Princeton University. WAESO LSAMP Bridge to the Doctorate Fellowship recipient. Participant in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program. Has 6 publications.

Meli'sa S. Crawford, Ph.D., Postdoctoral Researcher

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Postdoctoral Researcher in the Department of Biomedical Sciences, School of Medicine, University of California, San Diego, La Jolla, CA. [BIO]



Accomplishments: Awards and grants include the 2018 Carolinetum Suden/ Frances Hellebrandt Professional Opportunity Award, 2017 Arizona State University Graduate College Fellowship, 2014 WAESO LSAMP Bridge to the Doctorate Fellowship, Arizona State University (ASU) Graduate and Professional Student Association Jumpstart and Research Grant, and a Sigma-Xi Grant-in-Aid Research Grant. Currently has five peer-reviewed publications and over 15 abstracts and presentations.

Damian Octavio Elias, Ph.D., Associate Professor of Environmental Science, Policy, & Management

(Arizona). Western Alliance to Expand Student Opportunities (University of Arizona)

Associate Professor in the Department of Environmental Science, Policy, and Management at the University of California, Berkeley. [BIO]



Accomplishments: Conducts research focused on understanding the mechanisms that guide behavior and how these mechanisms relate to behavioral adaptation.

Dr. Elias uses a variety of systems and tools to investigate how animals produce and process complex stimuli and the interplay between physics, behavior, and sexual selection. Has more than 52 publications, given 39 invited talks, and 75 other presentations (including television specials and radio interviews).

Kandis Knight, Ph.D., Assistant Professor of Population Health

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor at John D. Bower School of Population Health at the University of Mississippi Medical Center. [BIO]



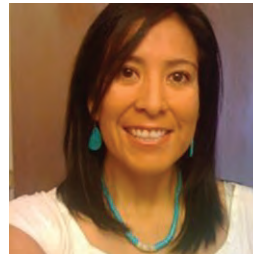
Accomplishments: Community Practice Pharmacy residency and Open Arms HealthCare Center. Resident Incentive Grant recipient. Current fellow in the Clinical and

Community Based HIV Research Fellowship program. Credentialed for 2019-2021 in the American Academy of Medicine as an HIV expert pharmacist. Assisted in creating the training program for pharmacists at Open Arms HealthCare Center. Currently has more than 5 co-authored peer reviewed articles.

Naomi Young, MD., Navajo Physician

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Tribal Policy Advisor, Department of Health and Human Services, Immediate Office of the Secretary, Intergovernmental Affairs. [BIO]



Accomplishments: Dr. Young has a passion for American Indian health that spans from biomedical research to the clinic and into community health. She

believes in a symbiotic relationship between oneself and his/her environment and for this reason, she is interested in strengthening health policy to eliminate health disparities. Her Biomedical Research focused on ELMO1 variants and susceptibility to diabetic nephropathy in American Indians; Origin and characterization of multipotential mesenchymal stem cells derived from adult human trabecular bone. More than 5 publications.

Brenda Rascon, Ph.D., Director of Regulatory Affairs

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Leader of the regulatory affairs activities at OGen GmbH in Munich, Germany. [BIO]



Accomplishments: Regulatory Affairs professional skilled in the development of biopharmaceuticals, preparation of biopharmaceutical

product dossiers, and oversight of regulatory approval procedures for biopharmaceuticals, including biosimilars. Five peer-reviewed scientific publications. Additional awards and activities include a WAESO LSAMP Bridge to Doctorate Fellowship, and participation in the MGE@MSA AGEP program.

Jennifer Noble, Ph.D., Scientist

(Arizona). Western Alliance to Expand Student Opportunities (University of Arizona)

Scientist at Scientific Services HTG Molecular Diagnostics, Inc. [BIO]



Accomplishments:

Recipient of Scholarship in Ronald E. McNair Achievement Program scholarship, National Science Foundation Graduate Research

fellowship, and a NSF Integrative Graduate Education and Research Traineeship fellowship in Comparative Genomics. Awarded University of Arizona (UA) Plant Sciences Award for Outstanding Service and Outreach. Received a research and project grant from the UA Graduate and Professional Student Council. Received scholarships from the Graduate College, UA Office of Diversity and Inclusion. Earned the Boynton scholarship from the UA School of Plant Sciences. Co-authored two publications.

Tammi Duncan, Ph.D., Postdoctoral Fellow.

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

UNM ASERT-IRACDA Postdoctoral Fellow in the University of New Mexico Department of Pharmaceutical Sciences, Albuquerque, NM. [BIO]



Accomplishments:

Minority Access Research Careers Fellow, Arizona State University-Post-Baccalaureate Research Education Fellow, University of New Mexico

Initiative to Maximize Student Development Graduate Fellow, UNM Academic Science Education and Research Training -Institutional Research and Career Development Award Postdoctoral Fellow. Participant of MGE@MSA AGEP Program. Completed summer research programs in all years of her undergraduate program. Recipient of funding awards from the ASM Robert D. Watkins Graduate Fellowship

and American Indian Science and Engineering Society (AISES)-Lighting the Pathway to Faculty Careers in Science Technology Engineers Math (STEM) Fellowship. First to obtain a Ph.D. in her extended family. Currently has 4 peer-reviewed publications.

Yusuf Tufail, Ph.D., Senior Scientist

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Senior Scientist at Lundbeck La Jolla Research Center, Inc., La Jolla, CA. [BIO]



Accomplishments: Life Science Research Fellowship award, Howard Hughes Medical Institute: funding for brain cell. Received the Salk Institute Pioneer

Fund Postdoctoral Award which led to an initial patent for discovery of a novel mechanosensitive mutant channel that is designed specifically to respond to ultrasound. Received the WAESO LSAMP Bridge to the Doctorate Fellowship and participated in the MGE@MSA AGEP program. Has 6 publications.

Daniel Romero, Ph.D., Assistant Professor of Computer Science and Engineering

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor, Computer Science & Eng., Univ. of Michigan, Ann Arbor, MI. [CISE]



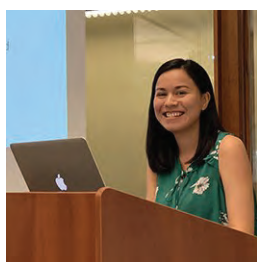
Accomplishments: Over 40 publications with more than 5,000 citations. Earned the Air Force's Young Investigator Research Program award, Coursera's 2018

Outstanding Educator Award for Innovation, Best Paper Award in the International World Wide Web Conference 2016, and the WAESO LSAMP Bridge to Doctorate fellowship. Participated in the MGE@MSA AGEP program. Also earned a President's Postdoctoral fellowship (Univ. of Michigan), a Sloan fellowship (Cornell Univ.), and the Charles Wexler Mathematics award at Arizona State Univ.

Jennifer Ortiz, Ph.D., Software Engineer

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Software Engineer at Google. [CISE]



Accomplishments: Earned an NSF Graduate fellowship, a Graduate Opportunities and Minority Achievement Program Dissertation fellowship, and a Moer

Award (for the highest academic standing). Held an internship at Microsoft Research. Has 8 publications.

Cynthia N. Perry, Ph.D., Assistant Dean of Admissions

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Faculty and Assistant Dean of Admissions, Department of Medical Education, Texas Tech University Health Sciences Center. [EDU]



Accomplishments: NSF California LSAMP in Science, Engineering and Mathematics Program Bridges to the Doctorate Fellow, 2006-2008. NIH Ruth L. Kirschstein

Predocutorial Individual National Research Service Award to Promote Diversity F31 award, 2008-2011; Cardiovascular Outreach Award, American Heart Association BCVS Conference, 2008 & 2013; NIH Ruth L. Kirschstein Post-Doctoral Individual National Research Service Award to Promote Diversity F32 award, 2011-2013. More than 23 peer-reviewed publications and two patent applications.

Carlos Castillo-Garsow, Ph.D., Associate Professor of Mathematics Education

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Associate Professor of Mathematics Education, Mathematics Department, Eastern Washington University, Cheney WA. [EDU]



Accomplishments: 2019 AMS Lathisms Honoree for Sept 30th, 2017 College of STEM Chairs' Excellence Award in Teaching, Editorial Board Member for Journal of

Mathematical Behavior, 16 peer reviewed publications. Supervised 9 undergraduate research projects with 37 students in the past five years. Earned a WAESO LSAMP Bridge to the Doctorate Fellowship and was a participant in the MGE@MSA AGEP program.

Daniel Aguiar, Ph.D., Chief Software Engineer (Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Chief Software Engineer, Harris Corporation, Palm Bay, FL. [ENG]



Accomplishments:

Developed C++ software for embedded Linux OS on a large radio R&D project. Developed a CSCI-level testing strategy featuring Python automated test

scripts and tools. Earned a WAESO LSAMP Bridge to the Doctorate Fellowship and participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program. Has two publications.

Daniel Herrera, Ph.D., Postdoctoral Associate Researcher in Electrical & Computer Engineering

(New Mexico). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of New Mexico)

Postdoctoral Associate Researcher in the Bradley Department of Electrical & Computer Engineering at Virginia Tech. Researching non-linear dynamics of optical-injection-locked distributed feedback lasers. [ENG]



Accomplishments:

Recipient of the Institute for Critical Technology & Applied Science (ICTAS) Doctoral Scholarship. GEM Ph.D. Associate Fellow. Held internships in

the Space Vehicles Directorate at the Air Force Research Laboratory and in the Materials Research Department at the Toyota Technical Center. Co-authored 6 publications and 2 patents.

Adam Dengler, Ph.D., Senior Microfabrication Engineer

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Senior Microfabrication Engineer, Redbud Labs, Research Triangle Park, NC. [ENG]



Accomplishments:

Extensive experience in developing microfluidic and microsensor devices for life science applications. Earned a WAESO LSAMP Bridge to

the Doctorate Fellowship and participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program. Has two publications.

Patricia (Gonzales) Whitby, Ph.D., Environmental Engineer

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Environmental Engineer at Brown and Caldwell, Lakewood, CO. [ENG]



Accomplishments:

California Water Data Innovation Challenge Finalist, Enhancing Diversity in Graduate Education (EDGE) Fellow, NSF Graduate Research

Fellow, Outstanding Senior Award- College of Agriculture and Life Sciences, Outstanding Senior Award- Department of Soil, Water and Environmental Sciences, WAESO LSAMP Bridge to the Doctorate Fellowship, Ronald E. McNair Achievement Scholar. Has 9 publications.

David Jauregui, Ph.D., P.E., Foreman Professor and Chair of the Department of Civil Engineering

(New Mexico). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (New Mexico State University)

Endowed professor and lead of the department of Civil Engineering at New Mexico State University. [ENG]



Accomplishments: Research interests are in the areas of bridge inspection, including non-destructive evaluation using acoustic emission and ultrasonic testing.

Received numerous awards including the Civil Engineering Professor of the Year, NMSU College of Engineering Bromilow Teaching Excellence Award. Has 47 publications.

Amy Jiron, Ph.D., Lead Energy Technology Program Specialist

(Colorado). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Colorado, Boulder)

Leads research development on energy systems integration and optimization in commercial buildings at the US Department of Energy. [ENG]



Accomplishments: She is passionate about reducing energy waste in buildings and has been with the Department of Energy for several years. In the Weatherization and

Intergovernmental Programs Office, she managed the implementation of renewable energy and energy-efficiency grants with state and local governments. In the Building Technologies Office, she collaborates with building industry leaders to identify, develop, and validate impactful building efficiency strategies that significantly reduce national energy consumption. Has 4 publications.

Monroe Keedo, MBA, MSEE, Research and Development Engineer

(New Mexico). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (New Mexico Highlands University)

Research and Development Engineer for the multi-service utility owned and operated by the Navajo Nation. [ENG]



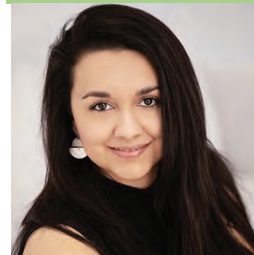
Accomplishments: Mr. Keedo is responsible for developing long standing business relationships between the Navajo Tribal Utility Authority (NTUA) Telecommunications

Utility and prospective telecommunications customers on and off the Navajo Reservation. Received a \$46 million grant from the Dept of Commerce to expand telecommunication applications, sustainable economic development, distance education, health care and public safety across the vast Navajo Nation.

Paulina Reina, Ph.D., Assistant Professor of Civil and Environmental Engineering

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor of Civil and Environmental Engineering at California State University, Fullerton. [ENG]



Accomplishments: Earned over \$1.5 million in grant funding as a faculty member. Has earned numerous fellowships including the Dwight David Eisenhower

Transportation Fellowship, Sustainable Science for Sustainable Schools Fellowship, and the Bridge to the Doctorate Fellowship. Participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program. Has 3 publications.

Liliana Rincon-Gonzalez, Ph.D., Program Director of Clinical Science

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Program Director of Clinical Science at the Medical Device Innovation Consortium. Arlington, VA. [ENG]



Accomplishments: WAESO LSAMP Bridge to the Doctorate Fellowship, More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP Participant,

Member of the Health Sciences Panel of the Institutional Review Board at Florida International University, Summer trainee, Federation of European Neuroscience Society – International Brain Research Organization (IBRO), Lausanne and Geneva Switzerland, Arizona State University Harrington’s Department of Bioengineering Graduate Fellowship, Reviewer for 4 peer-reviewed journals. Has 5 scholarly publications.

Ellie Volosin, Ph.D., P.E., Traffic Engineer

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Lead of Traffic Analysis for the state of Arizona at the engineering firm AECOM. [ENG]



Accomplishments: Recipient of FHWA Dwight D. Eisenhower Fellowship and WTS Metropolitan Phoenix Overly/Kmetty Graduate Scholarship. Appointed student liaison

director for the Arizona Institute of Transportation Engineers and scholarship director of Metropolitan Phoenix WTS. Made multiple presentations at conferences around the world. Published two papers in Transportation Research Record, the journal of the US Department of Transportation's Transportation Research Board.

Donald Laverdure, JD

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Former Assistant Professor of Law & Director of the American Indian Law Program at Michigan State University College of Law. He has served as Chairman of the Crow Nation Judicial Ethics Board, and Appellate Judge of the Keweenaw Bay Indian Community. [ENG]



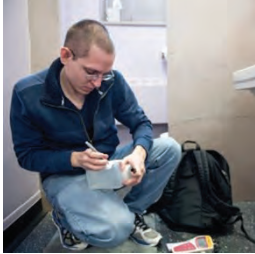
Accomplishments: Prior to private practice over the past 7 years, including positions as counselor to the Crow Nation and Strategic Advisor with Akin Gump Strauss Hauer

& Feld, LLP in Washington D.C., Laverdure was appointed by President Obama and served 3.5 years at the Department of the Interior as Acting Assistant Secretary, Principal Deputy Assistant Secretary and Deputy Assistant Secretary for Indian Affairs in Washington, D.C. Laverdure had oversight of 10,000 employees, a \$2.5 billion-dollar annual budget, numerous programs and policy initiatives, and also engaged in political relations with the entire federal government on Indian issues (e.g., staff on Capitol Hill, the White House, and other federal agencies).

David Otto Schwake, Ph.D., Assistant Professor of Natural Science

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor of Natural Sciences, Middle Georgia State University, Macon, GA. [ENG] and [BIO]



Accomplishments:

Director of Sponsored Research Project with IDEXX Corporation to Examine Legionella presence in Colleges, Rural Communities, and

Flint, MI; Director of Research Project Utilizing Community College Undergraduate Student Researchers to Generate Local Water Quality Data Across the Country; American Society for Microbiology-LINK Undergraduate Faculty Research Initiative Fellowship; Virginia Tech Alumni Award for Outreach Excellence; NIH NIAID Research Supplement to Promote Diversity in Health-Related Research Recipient, WAESO LSAMP Bridge to the Doctorate Fellowship, More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP participant. Has 8 publications since 2015.

Ángel Garcia, Ph.D., Visiting Assistant Professor of Geology

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor of Geology at James Madison University. Dr. Garcia will start a tenure-track position in the same institution in August. [GEO]



Accomplishments:

Bighorn Basin Analysis Field Course and Graduate Excellence Fellowship for First Generation Students Award. Vermont EPSCoR Graduate Opportunity

Fellow. More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP participant. Has 11 publications and conference presentations.

Antoinette Abeyta, Ph.D., Assistant Professor of Earth Science

(New Mexico). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of New Mexico)

Assistant Professor of Earth Sciences at the University of New Mexico, Gallup Branch. [GEO]



Accomplishments:

American Geophysical Union. Her research interests are in the application of physical experiments and models to understand problems in

sedimentology, geomorphology, sediment transport, quantitative stratigraphy and restoration practices. Has 2 publications.

Jacqueline J. Shinker, Ph.D., Professor of Geography

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Professor of Geography at the University of Wyoming. [GEO]



Accomplishments: First woman to earn promotion to the rank of Full Professor in the Department of Geography at the University of Wyoming. Recognized as

the November Learning Actively Mentoring Program (LAMP) Faculty Fellow of the month. Conducts research focused on timing of early and late snowmelt, timing of precipitation anomalies, role of climate change and climate analogs to understand past environmental disturbances. More than 10 publications.

Terannie Vasquez, Ph.D., Principal Scientist

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Principal Scientist, Henkel Consumer Goods Inc., Trumbull, CT. [MPS]



Accomplishments: An innovator in the chemical development of personal care products and methods who has earned or filed 9 patents or patent applications.

Earned multiple awards, including: Excellent Award for People; three-time Technical Metric awards for the development of a new acne control body and face formulation, a novel thickened wax formulation and a cost optimized body wash formula providing improved consumer benefits; Excellent Award for Sustainability; Young Scientists Award from the Society of Cosmetic Chemists; WAESO Doctorate Fellowship. Participated in the MGE@MSA AGEP program. Has 3 publications.

Kamal Barley, Ph.D., Postdoctoral Associate

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

IRACDA Postdoctoral Associate, Department of Applied Mathematics & Statistics, Stony Brook University, Stony Brook, NY. [MPS]



Accomplishments: NIH 2018 Institutional Research and Academic Career Development award (The New York Consortium for the Advancement of

Postdoctoral Scholars Stony Brook University), Alfred P. Sloan Foundation Doctoral Dissertation Fellowship, WAESO LSAMP Bridge to the Doctorate Fellowship recipient, MGE@MSA AGEP participant. Has co-authored a book. Also has seven peer-reviewed journal articles.

Ricardo Cordero-Soto, Ph.D., Associate Professor of Mathematics & Director of Graduate Programs

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Associate Professor, Mathematics and Director, Graduate Program in Applied Mathematics, California Baptist University, Riverside, CA. [MPS]



Accomplishments:

Created three Masters-level courses and one Bachelor's-level course in Applied Mathematics at California Baptist University, WAESO LSAMP

Bridge to the Doctorate Fellowship, More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP participant, Sloan Foundation Minority Ph.D. Scholarship, Arizona State University Graduate College Doctoral Enrichment Fellowship (DEF), seven journal publications and one book chapter.

Edgardo Ramirez-Reinat, Ph.D., Assistant Quality Assurance Manager

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Quality Assurance Manager, MGC Pure Chemicals American, Inc., Mesa, AZ. [MPS]



Accomplishments:

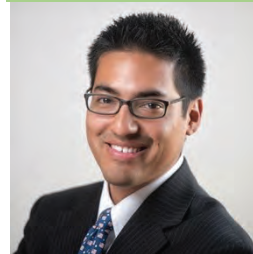
Published scientist and Total Quality Management leader; 14+ years of multi industry experience that includes forensic laboratories,

pharmaceuticals, biotechnology start-ups, food manufacturing and ultra-pure chemical manufacturing; Subject matter expert in the life sciences, and is vastly experienced in analytical techniques, laboratory instrumentation, R&D, QC, QA, cGMP and GLP; Experience as university and community college faculty member, as well as forensic scientist; LSAMP Bridge to the Doctorate Fellowship; MGE@MSA AGEP Participant; 4 publications.

Daniel Rios-Doria, Ph.D., Analytics & Optimization Manager

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Analytics & Optimization Manager, The Walt Disney Company, Orlando, FL. [MPS]



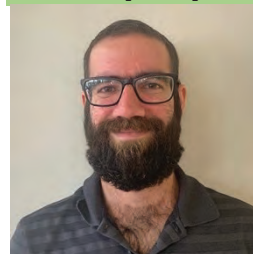
Accomplishments: Expert in data science management. Applied expertise to various sectors, including to US intelligence as a Data Scientist at the Central

Intelligence Agency, and currently at the Walt Disney Company in a management role. Earned a WAESO LSAMP Bridge to Doctorate Fellowship and participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program. Has 1 publication.

Emmanuel Morales Butler, Ph.D., Assistant Professor of Mathematics

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor, Department of Mathematics, University of Puerto Rico at Utuado. [MPS]



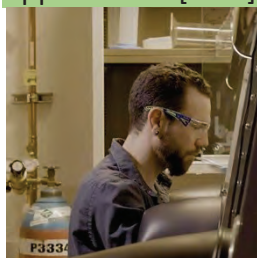
Accomplishments: Expert in developing/applying mathematical and statistical methods to quantify structural (model) uncertainty in problems from disease

infectious epidemiology. Has earned or accomplished the following: Mathematical and Theoretical Biology Institute (MTBI) Mentor of Excellence Award; three-time MTBI Summer Participant as an undergraduate, graduate student and professor/mentor; Alfred P. Sloan Fellowship; WAESO LSAMP Bridge to the Doctorate Fellowship; MGE@MSA AGEP Participant. Has four publications.

Joseph Laureanti, Ph.D., Staff Scientist

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Chemist at Pacific Northwest National Laboratories (PNNL) designing artificial metalloenzymes for energy storage applications. [MPS]



Accomplishments:

Fellowship recipient, Integrative Graduate Education and Research Traineeship: Solar Utilization Network (IGERT-SUN). Multiple

Outstanding Performance Awards while at PNNL, including for the preparation of virtual reality tours, safety, and mentorship. Additional awards include a Gordon Conference Award from the Gordon Research Conference and a Distinguished Teaching Assistant award. Fifteen (15) publications, to date. Mentored five different students for different projects. Participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program.

Jade Horton, Ph.D., Senior Technician

(New Mexico). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (New Mexico Institute of Mining and Technology)

Senior Materials and Process Technician at Blue Origin, LLC in Kent Washington. [MPS]



Accomplishments:

Recipient of the ACS Division of Organic Chemistry Graduate Research Symposium award and the ACS Women Chemists

Committee Travel Award (Eli Lilly & Co.) Numerous scholarships: Hyung K. Shin Graduate; John H. Nelson Graduate; Jerry & Betty Wilson Chemistry; Kay Brower; New Mexico Bridge & Lottery; Presidential Scholarship. Has two publications.

Danielle Robbins-Chukwumah, Ph.D., Digital Analytics Leader

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Digital Analytics Leader, Capital Group, Los Angeles, CA. Expert in predictive modeling and analytics for marketing. [MPS]



Accomplishments:

WAESO LSAMP Bridge to Doctorate Fellowship, More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP Participant, Post-

doctoral scholar at the Center for Biomedical Modeling, Semel Institute, UCLA, LEAN Yellowbelt Coach of the largest company process improvement savings in 2018, Member of the 2018 Cohort of the Farmers Insurance Accelerator Program, Invited speaker for 2016 Farmer Insurance Data Analytics Conference, Young Investigator Award for the 2015 Conference on Retroviruses and Opportunistic Infections.

Arlene Evangelista, Ph.D., Faculty

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Mathematics Faculty at Chandler-Gilbert Community College, Chandler, AZ. [MPS]



Accomplishments:

Experienced Mathematics Instructor with a demonstrated history of working in the higher education industry. Experience teaching

mathematics from developmental mathematics to differential equations; and introduction to statistics. WAESO LSAMP Bridge to the Doctorate Fellowship, More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP participant. Has 6 publications.

David Murillo, Ph.D., Director of U.S. Consumer Credit and Fraud Risk

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Leads an international team at American Express, New York, NY. [MPS]



Accomplishments: Utilizes fundamental data-driven analyses to achieve business driven results that also empowers customers. Has earned the American Express

President's Award for exceptional achievement and also the Leadership in Action Award for demonstrating leadership behavior and defining what winning looks like. Has a Certificate in Leadership Excellence from Harvard and American Express. Leadership activities have driven more than \$20MM in income. Earned a WAESO LSAMP Bridge to Doctorate Fellowship and participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program. Has 17 publications.

Jose Vega-Guzman, Ph.D., Assistant Professor of Mathematics

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor, Department of Mathematics, Lamar University, Beaumont, TX. [MPS]



Accomplishments: Has 32 publications and a book chapter to be published in 2020 and has an article: "The minimum-uncertainty squeezed states for atoms and

photons in a cavity" that was selected by the Editorial Board of J. Phys. B as a Highlight of the Year and was also classified as IOP select. Also earned a WAESO LSAMP Bridge to the Doctorate Fellowship and participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program.

Griselle Torres-Garcia, Ph.D., Faculty

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Full time faculty member in the Department of Mathematics, College of Humanities and Social Sciences, Grand Canyon University, Phoenix, AZ. [MPS]



Accomplishments:

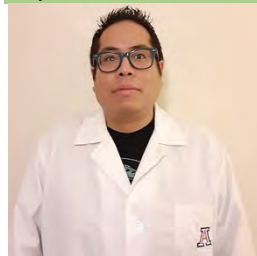
Coordinator Mathematics for Secondary Education degree, Grand Canyon University: Fall 2016, Spring 2017, Fall 2017, Spring 2018. Math

Facilitator/Content Leader, West Valley Effective Teaching Collaborative Project-ITQ Grant, Fall 2015. Alfred P. Sloan Foundation Minority Ph.D. Award in Mathematics, Science and Engineering, WAESO LSAMP Bridge to the Doctorate Fellowship, More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP Participant, Academic Excellence Scholarship. Has six publications and reports.

Samuel Gilmore, Ph.D., Project Scientist & Contractor

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Project Scientist I at Jacob Technologies, Dugway, UT, augmenting U.S. Army's defense capabilities as a contractor. [MPS]



Accomplishments: Uses chemical and scientific expertise to aid in the US Army's mission of providing testing and evaluation of defense techniques and systems.

This enables added security for US armed forces and citizens. Alfred P. Sloan Fellowship, WAESO LSAMP Bridge to Doctorate Fellowship. Has two publications.

Romarie Morales-Rosado, Ph.D., Scientist,
Project Manager

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Scientist, Project Manager, Pacific Northwest National Laboratory (PNNL), Richland, WA. [MPS]



Accomplishments:

Develops computational methodologies to integrate multiple remote sensing technologies. Creator and project manager for mentorship

pilot program called Bridging Opportunities on Leadership and Training in STEM (BOLTS). Initiated and collaborated in efforts towards creating and strengthening a pipeline for the next generation of scientists in the Pacific Northwest National Laboratory. Building a pipeline between 13 Universities in Puerto Rico and the laboratory. Collaboratively manages budgets of, on average, \$1 Million per year at PNNL. Earned a WAESO LSAMP Bridge to the Doctorate Fellowship and participated in the MGE@MSA AGEP program. Has 8 publications.

Ryan Camacho, Ph.D., Associate Professor of
Physics

(Utah). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Brigham Young University)

Associate Professor of Physics at Brigham Young University. [MPS]



Accomplishments:

Recipient of the prestigious Research & Development (R&D) 100 award, given to celebrate innovation in science and tech. Best Presentation

Award at the Optical Society of America (OSA) annual meeting. Provost Fellowship at the University of Rochester. Principal investigator on several DARPA and DOE research grants, earning more than \$15 Million in grant funding to develop quantum communications technologies. Has over 33 publications.

Edme Soho, Ph.D., Assistant Professor of
Mathematics

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor – Hostos Community College (CUNY), New York, NY. [MPS] and [BIO]



Accomplishments: PI and

Co-PI of two internal CUNY or PSC Grants; Building Future Faculty Program Award, North Carolina State University – Faculty Diversity; Two-

time recipient of The Institute on Teaching and Mentoring Award from the Compact for Faculty Diversity; Alfred P. Sloan Scholarship; WAESO LSAMP Bridge to the Doctorate Fellowship; More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP Participant. Has four publications, 30 conference presentation and invited lectures.

Kevin Flores, Ph.D., Assistant Professor of
Mathematics

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor, Department of Mathematics, North Carolina State University, Raleigh, NC. [MPS] and [BIO]



Accomplishments: PI and

Co-PI for approximately 1.2 million in grant funding from the National Science Foundation and National Institutes of Health, NSF Postdoctoral

Fellowship, Sloan Foundation Graduate Research Fellowship, WAESO LSAMP Bridge to the Doctorate Fellowship, MGE@MSA AGEP Participant, Over 30 publications, Over 20 invited research presentations.

Anarina Murillo, Ph.D., Postdoctoral Fellow (Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor, Department of Pediatrics, Warren Alpert Medical School, and Senior Biostatistician in the Center for Statistical Sciences, School of Public Health, at Brown University. [MPS] and [BIO]



Accomplishments: NIH T32 Postdoctoral Fellowship, Career Development Grant, Alfred P. Sloan Foundation Career Development Grant, Alfred P. Sloan

Foundation Minority Ph.D. Program, U.S. Department of Education Graduate Assistance in Areas of National Need Program Award, WAESO LSAMP Bridge to the Doctorate Fellowship, MGE@MSA AGEP Participant, Sloan Scholars Mentoring Network Career Development Award. Has ten original publications in peer-reviewed journals and two book chapters.

Oscar Patterson-Lomba, Ph.D., Manager (Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Manager/healthcare consultant at Analysis Group in Boston, MA, with expertise in healthcare economics and outcomes research for a variety of diseases. [MPS] and [BIO]



Accomplishments: Yerby Postdoctoral Fellowship (Harvard University); Participant, Santa Fe Institute Complex Systems Summer School; Intern at the Center for

Communicable Disease Dynamics, Harvard School of Public Health; Visiting scholar in the Laboratory for Information and Decision Sys., Massachusetts Institute of Tech.; WAESO LSAMP Bridge to Doctorate Fellowship Recipient; MGE@MSA AGEP Participant. Has over 20 publications.

John David Auxier, Ph.D., R&D Manager (New Mexico). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Northern New Mexico College)

R&D Manager, conducting research at Los Alamos National Laboratory (LANL) focused on separations chemistry and spectroscopy. [MPS] and [ENG]



Accomplishments: Recipient of 4 awards: Outstanding Graduate Student in Chemistry, Outstanding Research Faculty Award in the University of Tennessee

Knoxville Nuclear Engineering Department (awarded twice), and the LANL Chemistry Division Award. Currently has 28 peer-reviewed publications across numerous journals. Has two US patents. Received five (5) competitive research grants to date from federal agencies and programs (e.g. DHS, DTRA, and the DOE), as well as from private industry.

Telpriore Tucker, Ph.D., Postdoctoral fellow and Researcher

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Skysong Innovations Postdoctoral Fellow and Researcher at Arizona State University, Tempe, AZ. [MPS] and [TECH]



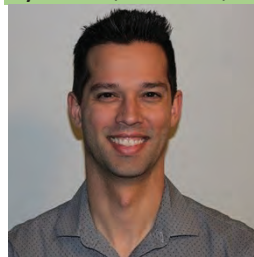
Accomplishments: Three US patents granted, with two patents pending. Honored as the Volunteer-of-the-Year 2020 of the Central Arizona Professional Section of the

American Chemical Society. Demonstrated fuel cell kits and provided scientific technical support for STEM-focused documentary - accepted into 2019 national film festivals. Recipient of the 2019 Lab Safety Culture Award by EH&S (Environmental, Health & Safety) for implementing an innovative grid system for a cloud-based chemical inventory at Arizona State University. Earned U.S. DoE, NSF, and AGEP fellowships along with NIH, MARC, MIRT, and TLSAMP scholarships, WAESO LSAMP Bridge to the Doctorate Fellowship, More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP Participant. Has 7 publications.

José Rosado-Toro, Ph.D., Senior System Engineer II

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Senior System Engineer II at Raytheon Missile Systems, Tucson, AZ. [TECH]



Accomplishments: An innovator who has earned one patent and published three journal articles. Also has earned the following: Raytheon – Trade Secret Award for Image

Processing Algorithm; Raytheon Systems – Team Achievement Award 2019; Postdoctoral Scholar IV, Department of Nephrology, University of Arizona; NIH- HLB Postdoctoral Trainee, NIH – Cardiovascular Training Grant; WAESO LSAMP Bridge to Doctorate Fellowship; Science Foundation Arizona – Graduate Research Fellowship. Participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP.

Bradley Segura, M.D., Ph.D., Assistant Professor of Surgery and Pediatrics

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Assistant Professor of Surgery and Pediatrics, Department of Surgery University of Minnesota Medical School. [OTH]



Accomplishments: Recipient of Minnesota Monthly Top Doctors (2018) award and Best Doctor in America (2013). Pediatric Surgery Fellowship at Children's

Hospital of Pittsburgh. Clinical interest: Hirschsprung's Disease and other gastrointestinal disorders; pediatric abdominal and thoracic tumors; congenital abdominal and thoracic anomalies in children; minimally invasive abdominal and thoracic surgery in infants and children; chest wall deformities. Has over 27 publications, one book chapter, and 24 presentations.

Sandra Saenz, M.B.A., Patent Attorney (Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Owner of BrainSpark Associates, LLC. [OTH]



Accomplishments: Has expertise in generating and evaluating patent applications. Has one patent and six patent-pending technologies. Graduated cum laude in

law school. Received multiple academic awards during law school.

Sarah Mennenga, Ph.D., Postdoctoral Researcher

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (Arizona State University)

Postdoctoral Researcher, Department of Psychiatry, NYU Grossman School of Medicine in New York, NY. [OTH]



Accomplishments: Performing the largest meta-analysis to date of clinical trials network outcomes data in the greater New York area. Has garnered more than

\$5.1 Million in grant funding for research activities, given 62 oral/poster presentations to date, published 19 peer-reviewed papers 2 book chapters, and 4 extended abstracts. Also had a NOVA media appearance in 2016. Earned a WAESO LSAMP Bridge to the Doctorate Fellowship and participated in the More Graduate Education @ Mountain States Alliance (MGE@MSA) AGEP program.

Jeanette P. Brown, Ph.D., Assistant Professor of Internal Medicine

(Utah). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Utah)

Clinical Assistant Professor Internal Medicine at University of Utah Health. [OTH]



Accomplishments: Completed residency training in Internal Medicine and fellowship in Pulmonary and Critical Care Medicine. Her current inpatient and

outpatient clinical focus is on patients with chronic respiratory failure requiring mechanical ventilation due to neuromuscular diseases including spinal cord injury, ALS (Lou Gehrig's disease), muscular dystrophy and many other diseases. More than 15 publications.

Lancer Stephens, Ph.D., Assistant Professor of Research

(New Mexico). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (New Mexico Highlands University)

Assistant Professor of Research at the Univ. of Oklahoma Health Sciences Center and is the Associate Director of the Oklahoma Shared Clinical and Translational Resources. [OTH]



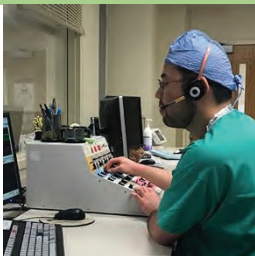
Accomplishments: Dr. Stephens' research interests focus on brokering agreements between the University and Tribal Nations within the state of Oklahoma.

The high rate of diabetes in American Indian populations, and diabetes research. Cancer, Obesity, Cardiovascular, Pregnancy (Pre-Eclampsia), C-Reactive Protein (inflammation), Dementia, Osteoporosis, Tobacco Cessation, Genetic Studies and a Diabetes Prevention, Intervention & Evaluation program with tribal youth. My specific research interest lie in disease prevention programs for youth, health literacy for all ages and chronic kidney disease/end-stage renal disease resulting from diabetes.

Shu-Cheong Chang, M.D. Fellow in Cardiac Electrophysiology

(Colorado). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Colorado)

Fellow in Cardiac Electrophysiology [OTH]



Accomplishments: Conducts research focused on arrhythmias in patients with adult congenital heart disease. Has 8 publications and has given 8 presentations.

Omar Contreras, Dr. P.H., M.P.H., Program Director of Policy and Translational Research.

(Arizona). Western Alliance to Expand Student Opportunities (WAESO) LSAMP (University of Arizona)

Program director at the University of Arizona's Cancer Center. [OTH]



Accomplishments: Maximizing Access to Research Careers Trainee; Research Fellow at Johns Hopkins School of Medicine; NIH Honors Academy Fellow at the

National Institute of Child Health and Human Development; Project EXPORT Fellow at the University of Arizona; Research Fellow at the Centers for Disease Control and Prevention. Awards: Has 9 significant awards from professional or community organizations, e.g. the American Public Health Association Community Health Planning and Policy Development Section-Best Doctoral Abstract Award and the Valle del Sol-Univision Radio, 40 Hispanic Leaders Under 40. Publications: Has 8 peer-reviewed publications and 7 published public policy briefs used for advocacy and policy purposes in and by the United States Congress and the Arizona State Legislature.

COLORADO-WYOMING LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (CO-WY LSAMP)

Rick Miranda, Ph.D. rick.miranda@colostate.edu



Co-PIs:

Ernest Chavez, Ph.D., ernest.chavez@colostate.edu

Kim Henry, Ph.D., kim.henry@colostate.edu

David Aragon, david.aragon@colorado.edu

Institutional Partners:

Adams State University
 Central Wyoming College
 Colorado School of Mines
 Colorado State University
 Colorado State University Pueblo
 Fort Lewis College
 Metropolitan State University of Denver
 Northeastern Junior College

Otero Junior College
 Trinidad State Junior College
 University of Colorado Boulder
 University of Colorado Colorado Springs
 University of Colorado Denver
 University of Denver
 University of Northern Colorado
 University of Wyoming

Julia (Figueroa) Herman, DVM

(Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Veterinarian, National Cattlemen's Beef Association, Fort Collins, CO. [A]



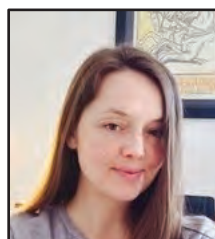
Accomplishments: Veterinary technical leadership to NCBA Beef Quality Assurance (BQA) program including state BQA programs, NCBA affiliates and state beef councils; spokesperson for NCBA on

BQA cattle health issues for funded efforts to educate producers, beef supply chain members, and consumers; serves as internal resource on cattle health for staff education and stakeholder outreach in coordination with other internal staff technical experts; American Association of Bovine Practitioners. Publications: Three

Katrina Gillette, Ph.D.

Horticulture and Landscape Architecture (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Research Associate, US Department of Agriculture, Agricultural Research Service, Ames, IA. [A]



Accomplishments: Founder, Native Women's Circle, Colorado State University. Publications: Two

Bonita Nuñez, M.D.

(Colorado) Colorado-Wyoming LSAMP (Colorado State University-Pueblo)

Emergency Medicine, University of Texas Health, San Antonio, TX. [BIO]



Publications: Three Postcardiac Device Implantation Using Antibiotic versus Saline Solution for Pocket Irrigation; Examining 30-day COPD readmissions through the emergency department; Incidence of

Pocket Infection Post Cardiac Device Implantation Using Antibiotic vs. Saline Solution for Pocket Irrigation.

Alejandro Trujillo, Ph.D.

Cell and Molecular Biology (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Research and Development Safety Officer, Department of Veteran's Affairs, Minneapolis, MN. [BIO]



Accomplishments: National Institutes of Health Federation of American Societies for Experimental Biology (FASEB) Minority Access to Research Careers (MARC) Fellowship.

Publications: Six Simplified

membrane-like systems describing the physical behaviors of cholesterol and anti-diabetic drugs; Anti-diabetic effects of a series of vanadium dipicolinate complexes in rats with streptozotocin-induced diabetes; Coexisting aggregates in mixed Aerosol OT and cholesterol microemulsions; How environment affects drug activity: Localization, compartmentalization and reactions of a vanadium insulin-enhancing compound, dipicolinatooxovanadium(V); Effects of vanadium-containing compounds on membrane lipids and on microdomains used in receptor-mediated signaling.

Anthony Oliva, M.D., Ph.D.

Neuroscience (Colorado) Colorado-Wyoming LSAMP (Adams State University).

Assistant Professor and Anesthesiologist, University of Colorado Hospital Affiliate, Aurora, CO. [BIO]



Accomplishments: Member of neuroanesthesiology team working with patients undergoing spine and brain surgery; Clinical Educator of the Year (2015, 2017); Alpha Omega Alpha Honor Society;

Outstanding Teacher of the Year (2003, 2015, 2016); Virtue Resident Scholar (2010, 2011, 2012, 2013); FAER Resident Scholar (2012); Robert W. Virtue Award (2009); Adams State University Exceptional Young Alumnus Award (2005); President's Diversity Award (2004); Chancellor's Diversity Award, University of Colorado Anesthesiology Resident Training Program (2015, 2016); University of Colorado Unsung Hero Award, University of Colorado Anesthesiology Resident Training Program (2015). **Publications:** Two Emerging views on the distinct but related roles of the main and accessory olfactory systems in responsiveness to chemosensory signals in mice; Transforming growth factor beta contributes to lung leak in rats given interleukin-1 intratracheally-

Dagmawi Abebe, Pharm. D.

(Colorado) Colorado-Wyoming LSAMP (Metropolitan State University of Denver)

Pharmacist, Evansville, IN. [BIO]



Publications: One Transesterification of Neem Seed Oil into Fatty Acid Methyl Ester Using Na₂O/CaO Catalyst.

Brian Leon, Ph.D.

Chemistry (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Scientist, Ambrx (Biopharmaceuticals), San Diego, CA. [BIO]

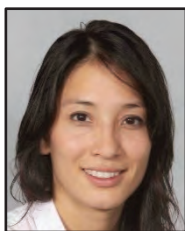


Accomplishments: National Institutes of Health IRACDA (Institutional Research and Academic Career Development Awards) Postdoctoral Scholar; University of California (San Diego) Chancellor's Postdoctoral Fellow and one Patent. Publications: Six Daedal Facet of Splice Modulator Optimization; A Challenging Pie to Splice: Drugging the Spliceosome; A Carbohydrate-Derived Splice Modulator; Optimized quinoline amino alcohols as disruptors and dispersal agents of *Vibrio cholerae* biofilms; Abyssomicin 2 Reactivates Latent HIV-1 by a PKC- and HDAC-Independent Mechanism. Patent: 1 Anti-Cancer and Splice Modulating Compounds and Methods.

Andrea Gomez, Ph.D.

Developmental Genetics (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Assistant Professor of Neuroscience at University of Basel, Switzerland. [BIO]

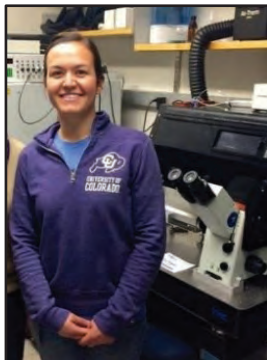


Publications: Five Cellular Functions of the Autism Risk Factor PTCHD1 in Mice; Control of neuronal synapse specification by a highly dedicated alternative splicing program; Covi (Mara 2008).2; The Extracellular Region of Lrp4 Is Sufficient to Mediate Neuromuscular Synapse Formation; Lrp4 and the mammalian neuromuscular junction; Lrp4 is a Receptor for Agrin and Forms a Complex with MuSK; Repression of Y-organ ecdysteroidogenesis by cyclic nucleotides and agonists of NO-sensitive guanylyl cyclase.

Ashley Bourke, Ph.D.

Pharmacology (Colorado) Colorado-Wyoming LSAMP (University of Colorado Denver).

Post-Doctoral Fellow, Anschutz Medical Campus, Aurora, Colorado. [BIO]



Accomplishments: Co-Founder/Co-President—Women in STEM (2014-2016); Norman Weiner Award for Research Excellence (2019); NSF Graduate Research Fellowship (2016); Howard Hughes Medical Institute Gilliam

Fellowship for Advanced Study; Department of Pharmacology Graduate Student Special Achievement Award (2016); Dunwiddie Award for Neuropharmacology Conference (2017); Pharmacology Graduate Training Committee Award (2018); C. Werner and Kitty Hirs Research (2017, 2018). Publications: Four

David Gurule, Pharm.D.

(Colorado) Colorado-Wyoming LSAMP (Adams State University).

Clinical Pharmacist, Valley-Wide Health Systems, Inc., Alamosa, CO. [BIO]

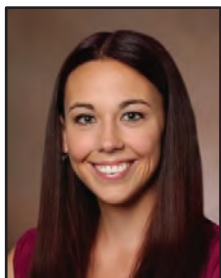


Accomplishments: Colorado Health Professions Scholarship. Publication: One Emerging views on the distinct but related roles of the main and accessory olfactory systems in responsiveness to chemosensory signals in mice; Transforming growth factor beta contributes to lung leak in rats given interleukin-1 intratracheally.

Deidra Newbrough, Pharm.D.

(Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Pharmacist, United States Public Health Service Commissioned Corps, Phoenix, AZ. [BIO]

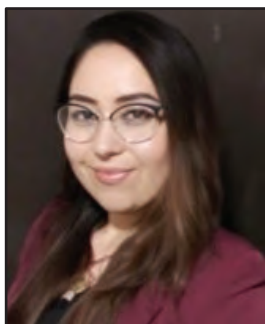


Accomplishments: Clinical Pharmacist Phoenix Indian Medical Center and Northern Navajo Medical Center. Indian Health Service (IHS) Residency.

Cindy Munoz, Ph.D.

Mechanical Engineering (Colorado) Colorado-Wyoming LSAMP (University of Colorado Denver).

Biomaterials Researcher, University of Colorado Denver, Denver, CO. [BIO]



Accomplishments: Research Symposium Scholarship; GK-12 Transforming Experiences Project Outstanding Graduate Student; Fungal Cell Wall Conference Award (2017); Reisher Family Scholarship; Post-

Doctoral Fellow University of Colorado Denver -- Department of Mechanical Engineering.

Publications: Three Dimensional Analyses to Quantify Cell Wall Deformation and Stress Relaxation in Stiff Mutants of *Phycomyces blakesleeanus*: Experimental Investigations (In progress); Cell wall loosening in the fungus, *Phycomyces blakesleeanus*.

Daniel Feliciano, Ph.D.

Biochemistry and Molecular Biology (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Postdoctoral Fellow, National Cancer Institute, Thoracic and GI Malignancies Branch, Bethesda, MD. [BIO]



Accomplishments: Research on regulation of the Wiskott-Aldrich syndrome protein (WASp) during clathrin-mediated endocytosis and specialization in state-of-the-art microscopy techniques and essential

cellular processes controlled by cell-to-cell fusion. Publications: Four A second Las17 monomeric actin-binding motif functions in Arp2/3-dependent actin polymerization during endocytosis; SLAC, a complex between Sla1 and Las17, regulates actin polymerization during clathrin-mediated endocytosis; In vivo and in vitro studies of adaptor-clathrin interaction; Regulation of clathrin adaptor function in endocytosis: novel role for the SAM domain.

Dezaray Varland, O.D.

(Colorado) Colorado-Wyoming LSAMP (Fort Lewis College).

Doctor of Optometry at Eagle Butte Indian Health Service Hospital Affiliate, Eagle Butte, SD. [BIO]



Accomplishments: Graduated with honors, Pacific University - College of Optometry. Publication: One Inducible Photoreceptor Degeneration Model.

Girmachew Seyoum, DDS

(Colorado) Colorado-Wyoming LSAMP (Metropolitan State University of Denver).

Dentist, Colorado Coalition for the Homeless, Denver, CO. [BIO]



Dentist, Colorado Coalition for the Homeless.

Jacqueline Harding, Ph.D.

Materials Chemistry (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Cannabistry Labs (Biotechnology), Denver, CO. [BIO]



Accomplishments: Lead scientist and project manager for biotechnology product platforms; developed drug delivery systems as platform technologies for use across various routes of

administration; developed and optimized extraction techniques for the isolation of target compounds. Publications: One Engineering Osteoinductive Biomaterials by Bioinspired Synthesis of Apatite Coatings on Collagen Hydrogels with Varied Pore Microarchitectures; three additional. Patents: Three Metal-Organic Framework Functionalized Polymeric Compositions; Controlled and Tunable Precipitation of Biomimetic Apatites Via In Situ Mineralization of An Organic Polymeric Matrix; Deposition-Conversion Method for Tunable Calcium Phosphate Coatings On Substrates And Apparatus Prepared Thereof.

Krystle Frahm, Ph.D.

Developmental Neurobiology (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Instructor, University of Pittsburgh (Department of Medicine), Pittsburgh, PA. [BIO]



Accomplishments: Current research determining mechanisms for the long-lasting, sex-specific consequences of antenatal glucocorticoid exposure; The

Endocrine Society Early Investigator Award (2018); Journal of Molecular Endocrinology Author Feature (2016); Highest Honors & Best Overall - Colorado State University Cell & Molecular Biology Annual Graduate Poster Symposium; Endocrine Society Outstanding Abstract Award (2013); Thornburg Graduate Research Excellence Award (2012). Publications: Five Sponsored Research: Principal Investigator, Impact of CREBRF and its Obesity-Risk Variant on Hypothalamic Glucocorticoid and Neuroendocrine Output Using Molecular, Cellular, and Physiological Approaches, National Institute of Diabetes, Digestive, & Kidney Disease; Principal Investigator, The Development and Role of CREBRF on Hypothalamic Regulation of Feeding Behavior and Obesity, American Diabetes Association.

Emily Sanchez, O.D.

(Colorado) Colorado-Wyoming LSAMP (Adams State University)

Doctor of Optometry, San Marcos Vision Center, San Marcos, TX. [BIO]



Accomplishments: Licensed to diagnose and manage ocular diseases: glaucoma, cataracts, and diabetic retinopathy.

Jennifer Ribar, D.O.

(Colorado) Colorado-Wyoming LSAMP (Adams State University).

Doctor of Osteopathic Medicine at Osteopathic Manipulative Medicine, Tanana Valley Clinic, Fairbanks, AK. [BIO]



Accomplishments:

American Academy of Osteopathy, American Osteopathic Association, American Fascial Distortion Model Association.

Residency in Osteopathic Neuromusculoskeletal

Medicine; trained in the Fascial Distortion Model and a member of the first group of Americans to pass the FDM International Certificate Examination.

Lisa Wolfe, Ph.D.

Microbiology (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Biomarker Lead, Zoetis, Inc. (Animal health vaccines and diagnostics), Fort Collins, CO. [BIO]



Accomplishments:

Mass Spectrometry-based Analytical Techniques (protein/peptide and small molecule); primary user of Tandem Quadropole (QQQ),

Orbitrap (OT) and Time-of-Flight (TOF) instrumentation, Ultra-High Performance Liquid Chromatography (UPLC) and Matrix-Assisted Laser Desorption (MALDI) systems; laboratory work in gel electrophoresis, protein and small molecule extraction and purification through Solid-Phase or Liquid-Liquid Extraction (SPE/LLE) techniques; protein digestion, sample preparation for mass spectrometry analysis, including Label-Free or Tandem-Mass Tag relative quantification; research in Biomarker discovery through Proteomics and Metabolomics based approaches.

Lorene Martinez, Ph.D.

Microbiology (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Regulatory Affairs, Medtronic (formerly Covidien, Biomedical), Fort Collins, CO. [BIO]



Accomplishments:

Research to detect tuberculosis; developed genetic fingerprinting protocols to aid in tracking tuberculosis in cattle and wildlife. Publication: One Genotyping North American animal Mycobacterium bovis

isolates using multilocus variable number tandem repeat analysis.

Lance Whitehair, MD

(Colorado) Colorado-Wyoming (Metropolitan State University of Denver).

Family Medicine Practitioner, Las Cruces, NM.



Publication: Controversial benefits of Omega-3 fatty acid (fish oil).

Maximiliano Vallejos, Ph.D.

Biomedical Sciences (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Field Applications Scientist, Thermo Fisher Scientific (Biotechnology), Plano, TX. [BIO]



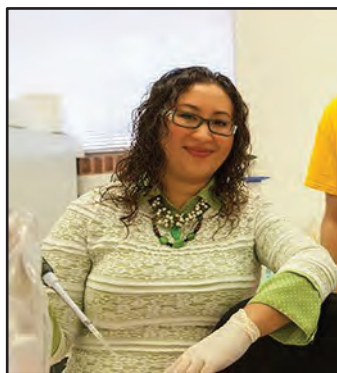
Accomplishments: McNair Scholar; SACNAS Genome Scholar; MARC Scholar. Publications: Six Age-Dependent Decline in Kv4 Channels, Unverlying Molecular Mechanisms, and Potential Consequences for Coordinated Motor

Function; Halogen Interactions in biomolecular crystal structures; Mechanisms Underlying Stage-1 TRPL Channel Translocation in Drosophila Photoreceptors; Conformational Analysis of Fusogenic Peptides by FTIR; Halogen interactions in biomolecular crystal structures; Mechanisms underlying stage-1 TRPL channel translocation in Drosophila photoreceptors.

Vanessa Enriquez, Ph.D.

Cell and Molecular Biology (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Clinical Trail Associate, ArcherDX (Biotechnology), Fort Collins, CO. [BIO]



Accomplishments: Research focused on identifying factors that regulate gonadal and primordial germ cell development in murine species as well as elucidating pluripotent factors

and cell cycle regulators that drive trophoblast stem (TS) cell differentiation into trophoblast giant (TG) cells during implantation.

Opeyemi Daramola, M.D.

(Colorado) Colorado-Wyoming LSAMP (Adams State University).

Otolaryngologist (Ear, Nose & Throat) at Crystal Run Health, West Nyack, NY. [BIO]



Accomplishments: Specialist in Endoscopy, Sinus surgery, Septoplasty, Allergic Rhinitis, Outcomes

Research, Oral and Oropharyngeal Surgery, Laryngoscopy, and Skull Base Surgery. Publications: Six An update regarding the treatment of nonallergic rhinitis; Patient knowledge and perception of computed tomography scan in the management of chronic rhinosinusitis symptoms; An algorithmic approach to the evaluation and treatment of olfactory disorders; three additional.

Henok Ghebrechristos, Ph.D.

Machine Learning and Artificial Intelligence (Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

Data and Machine Learning Engineer, Boulder Imaging, Inc. Boulder, CO. [CISE]



Accomplishments:

Research on Deep Learning and Artificial Intelligence to discover machine learning solutions for medical diagnoses (diabetic retinopathy and macular degeneration) and for

quality control application. Publications: Three Expediting Training Using Information Theory-Based Patch Ordering Algorithm; International Conference on Computational Science and Computation Intelligence; plus one additional.

Ian Her Many Horses, Ph.D.

Computer Science Education (Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

Research Associate (Computer Science) & Software Developer, University of Colorado Boulder, Boulder, CO. [EDU]



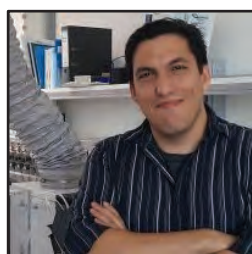
Achievements: Develops web-based tools, designs curriculum, and teaches pedagogy courses for Learning Assistant Program and Learning Assistant Alliance. Publications: Three Scalable Game Design: A Strategy to Bring Systemic Computer

Science Education to Schools through Game Design and Simulation Creation; From Lived Experiences to Game Creation: How Scaffolding Supports Elementary School Students Learning Computer Science Principles in an After School Setting; AgentDesign: A tool to scaffold software design for elementary students.

Manuel Montano, Ph.D.

Applied Chemistry (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

Assistant Professor (Environmental Chemistry and Global Change), Western Washington University, Bellingham, WA. [EDU] Boulder, CO. [EDU]



Accomplishments: Postdoctoral Scholar University of Vienna, Department of Environmental Geosciences; Postdoctoral Research Associate Duke

University, Civil and Environmental Engineering; Forensic Chemistry, Colorado Bureau of Investigation; Publications: Thirteen publications; three book chapters; one white paper (Environmental Protection Agency); seventeen platform presentations; five poster presentations.

Johnavae Campbell, Ph.D.

Clinical Assistant Professor (Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

Manager, ICF (Global Consulting and Technology Services), Chapel Hill, NC. [EDU]



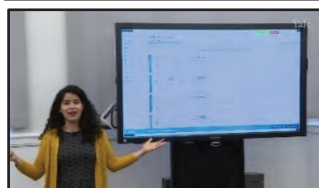
Accomplishments: Assistant Professor, University of North Carolina, Chapel Hill. Publications: Five Championing culturally responsive leadership for evaluation practice; The impacts of using a collaborative evaluation

approach in higher education: a case study of local YMCAs providing college access services; Critical Case Studies of District-Level Equity Leaders in Public Schools; Building a New Generation of Culturally Responsive Evaluators through AEA's Graduate Education Diversity Internship Program; Critical Case Studies of District-Level Equity Leaders in Public Schools; Becoming teacher leaders: Case study of teachers 3-7 years after participation in a 12-month teacher leadership professional development program.

Natalia Cordova Sanchez, Ph.D.

Neuroscience (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Faculty Lecturer (Cognitive Neuroscience), Yale University (School of Medicine), New Haven, CT. [EDU]



Accomplishments: Designed, programmed, ran fMRI experiments of human attention and

memory; analyzed datasets of brain activity utilizing quantitative tools; performed multivariate analyses of data. Publication: One Classification of EEG data.

Alejandro Henao, Ph.D.

Civil Engineering (Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

Mobility Researcher at National Renewable Energy Laboratory (NREL), Golden, CO. [ENG]



Accomplishments: Dwight D. Eisenhower Transportation Graduate Fellowship Award; The Mountain-Plains Consortium Student of the Year Award (U.S. Department of Transportation); Post-Doctoral Researcher - SMART Transportation Systems. Publications: Two The impact of ride-hailing on vehicle miles traveled; Travel and Energy Implications of Ride-Hailing Service in Austin, Texas. (In progress); A Deep Learning Approach for TNC Trip Demand Prediction Using Spatial-Temporal Features; Impacts of Ride-Hailing on Parking – and Vice Versa. (In Progress); additional publications.

Joseph Maestas, Ph.D.

Applied Math/Statistics (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

Mechanical Engineer, Applied Research Associates, Inc., Albuquerque, NM. [ENG]



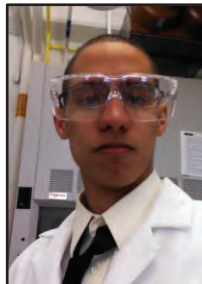
Accomplishments: Bechtel Educational Excellence Initiative Fellowship (2013); Research on nonlinear waves, shock propagation, elastic wave propagation and

modeling, high performance computing, underwater acoustics, numerical modeling methods including finite volume methods, boundary element methods, finite element methods, and discrete element methods. Publications: Shock wave propagation along constant sloped ocean bottoms; Nonlinear acoustic pulse propagation in dispersive sediments using fractional loss operators.

Gabriel Draper, Ph.D.

Chemical Engineering (Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

Chemical Engineer, Intel Corp., Hillsboro, OR. [ENG]



Accomplishments: PLAN Professional Development Workshops certificate; Graduate Teaching Assistant Academy certificate; Grant Writing Academy certificate; STEM Graduate Teaching Assistant Academy certificate;

Social Justice and Inclusion Award - M.A.G.S.; Student Activities Board Collaboration Award - M.A.G.S.; Advancing Science Award; Patent License Award; PLAN (Professional Development) workshops certificate; additional awards. Publications: Two Intense Pulsed Light Sintering of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Solar Cells; Fabrication of Elemental Copper by Intense Pulsed Light. Processing of a Copper Nitrate Hydroxide Ink; additional publications.

Miguel Galvez, Ph.D.

Electrical Engineering (Colorado) Colorado-Wyoming LSAMP (Colorado State University)

Radar Systems Engineer, Raytheon, Fort Collins, CO. [ENG]



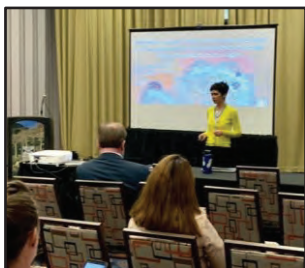
Accomplishments: Designed electrical/mechanical control systems for Obermeyer Hydro Pneumatically controlled Spillway Gates used in Water Management Systems;

Programed PLCs to control spillway gates; engineering and testing for custom and platform test systems, Cell Phone Test Fixtures, and end-of-life support to cell phone and base station test systems. Publications: five.

Kerri Hickenbottom, Ph.D.

Environmental Science and Engineering (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

Assistant Professor (Chemical and Environmental Engineering), University of Arizona, Tucson, AZ. [ENG]



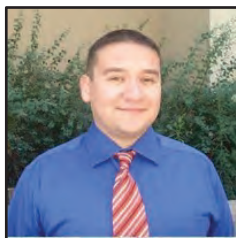
Accomplishments: Research on the development of novel engineered systems for resource recovery and reclamation of concentrate streams;

investigation of the technical, economic, and environmental life cycle impacts of a hybrid, membrane-based process (pressure retarded osmosis-membrane distillation) for energy generation from low-grade heat; forward osmosis for advanced treatment and recovery of drilling wastewater from hydraulic fracturing; membrane distillation for management of concentrate streams. Publications: One Pressure retarded osmosis: applications; additional publications.

Mario H. Saldana, Ph.D.

Engineering (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

Senior Mechanical Engineer, Roccor, LLC (Aviation and Aerospace), Longmont, CO. [ENG]



Accomplishments: Developing and validating chemical kinetic mechanisms for novel gaseous and liquid fuels; Information Systems Technician – US Navy;

Publications: Comparative Kinetic Analysis of Ethane Pyrolysis at 0.1 and 2.0 MPa; additional publications.

Abel Chavez, Ph.D., M.B.A.

Associate Professor, School of Environment and Sustainability, (Colorado) Colorado-Wyoming LSAMP (University of Colorado Denver).

Vice President of Student Success, Dean of Graduate Studies, Western Colorado University, Gunnison, CO. [GEO]



Accomplishments: Associate VP for Academic Affairs, Western Colorado University; Director and Founder CS21 Lab; Research Fellow PIK –

Potsdam Institute for Climate Impact Research, Potsdam, Germany. Publications: One articulating a trans-boundary infrastructure supply chain greenhouse gas emission footprint for cities: Mathematical relationships and policy relevance; additional publications.

Angelique D. Diaz, Ph.D.

Environmental Science and Engineering (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

P.E. Section Chief (Drinking Water), U.S. Environmental Protection Agency, Denver, CO. [GEO]



Accomplishments: NEPA Lead Reviewer to manage and coordinate interdisciplinary review of National Environmental

Policy Act Environmental Impact Statements for large scale projects (including mining and oil and gas); Invited Expert at Department of Defense Dependent Schools; U.S. EPA Bronze Award (resolving complex radionuclide NESHAP issues on uranium production facilities); U.S. EPA Region 8 Excellence in Diversity Award (2011). Publications: eight.

Dominique David-Chavez, Ph.D.

Human Dimensions of Natural Resources (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Research Analyst, Native Nations Institute, University of Arizona, Tucson, AZ. [GEO]



Accomplishments: Native National Institute Postdoctoral Indigenous Data Sovereignty Fellow; Quantitative and qualitative research design and data analysis; science

communication; diverse stakeholder engagement; climate and environmental science research; research ethics; geospatial research; diversity and inclusion in science research, education, and outreach; community based participatory research; National Science Foundation SBE Postdoctoral Research Fellowship; National Science Foundation Graduate Research Fellowship; Ronald E. McNair Scholar. Publications: Seven Practitioner publications & technical contributions: U.S. Caribbean. In Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment; Intergenerational research on Indigenous agricultural knowledge, climate resilience, and food security in the Caribbean; A decision framework for managing whitebark pine in wilderness.

Benjamin C. Cooper, Ph.D.

Mathematics (Colorado) Colorado-Wyoming LSAMP (Metropolitan State University of Denver).

Assistant Professor (Mathematics), Shaw University, Raleigh, NC. [MPS]

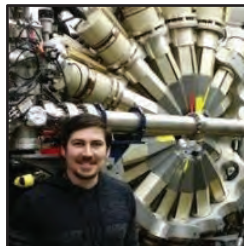


Publications: One Abstract hyperovals, partial geometries, and transitive hyperovals.

David Walter, Ph.D.

Experimental Nuclear Physics (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

Postdoctoral Researcher, TRIUMF, Vancouver, BC, Canada. [MPS]



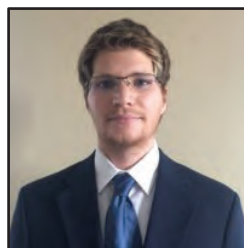
Accomplishments: TRIUMF is a national particle accelerator center considered Canada's premier physics laboratory and is consistently regarded as one of the leading

subatomic physics research centers on the international level; Internships at both Lawrence Livermore and Oak Ridge National Laboratories where he worked on a time projection chamber used for tracking particles from fission of Pu and U; built a residual gas analyzing system to measure particulates in the fission chamber.

Gary Marple, Ph.D.

Applied Mathematics (Colorado) Colorado-Wyoming LSAMP (Colorado State University-Pueblo).

Postdoctoral Researcher & Assistant Professor, University of Michigan (Mathematics Department), Ann Arbor, MI.



Accomplishments: Current research in collaboration with the Army Tank Automotive Research, Development and Engineering Center (TARDEC) to use machine

learning techniques to construct mobility maps using data generated by running computationally intensive, physics-based simulations of off-road vehicles traversing various soil conditions. Publications: six.

William Johnston, Ph.D.

Physics (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Optical Design Engineer, Baker Hughes (Energy Technology), Houston, TX. [MPS]



Accomplishments: Patents; Distributed acoustic sensing using low pulse repetition rates; Distributed temperature sensor enhancement by stimulated

raman suppression; Attenuation correction for distributed temperature sensors using antistokes to rayleigh ratio; Optical fiber distributed sensors with improved dynamic range; Temperature sensing using distributed acoustic sensing monitoring fluid flow in a downhole assembly; Arrayed wave division multiplex to extend range of IOFDR fiber bragg sensing system; Filter and method and distributed temperature sensor system. Publications: One - A Novel Solution for Performing Real-Time Fiber Optic Temperature Measurements; additional publications.

Jeffrey Henry, Ph.D.

Bioengineering (Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

Pricing, Strategy and Marketing Expert, Omnicell (Pharmaceutical Automation and



Accomplishments: Siebel Scholar; National Institutes of Health Predoctoral Fellow, Ford Foundation Fellow (2008-2009), Berkeley Chancellor's Fellowship (2006-2008), Vanguard

Engineering Scholar (2001-2006). Publications: Two Nonthrombogenic approaches to cardiovascular bioengineering; Guidance of cardiovascular tissue regeneration via novel synthetic and natural matrix approaches.

Dan Pabon, J.D.

(Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

General Counsel, Medicine Man Technologies, Denver, CO. [OTH]



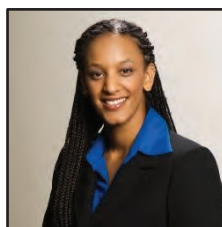
Achievements: State Representative (House District 4) and Speaker Pro Tempore of the Colorado House of Representatives. Sponsored Bills and Resolutions HB18-1417

Protect Constitutional Rights Colorado Residents; HB18-1411 Employees Working With Vulnerable Persons; HB18-1376 Regulate Residential Services And Supports Providers; HB18-1359 Colorado Charitable Contribution Income Tax Deduction; additional bills.

Hiwot Covell, J.D.

(Colorado) Colorado-Wyoming LSAMP (University of Colorado Boulder).

Patent Prosecutor, Intellectual Property Litigator (chemical, biological and mechanical processes and devices), Chemistry Lawyer, Sheridan Ross P.C., Denver, CO. [OTH]



Accomplishments: Externship with the Honorable Arthur P. Roy and the Honorable Gilbert M. Roman of the Colorado Court of Appeals; served as the Editor-in-Chief

of the Journal on Telecommunications and High Technology Law (now Colorado Technology Law Journal); President of the Student Bar Assoc.; Rising Stars based on independent research, peer nominations and evaluations, and professional achievement in legal practice (2013 – 2019); Materials and Process Engineer, Ball Aerospace (satellite components and materials processes). Publications: One Intellectual property ownership (in Abstracts of papers of the American Chemical Society).

Michelle (Sanchez) Estrada, Ph.D.

Organic Chemistry (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Senior Scientist, AbbVie (Biopharmaceutical), Chicago, IL. [OTH]



Accomplishments: People of Color Conference Industrial Award; University of Pennsylvania Postdoctoral Fellowship for Academic Diversity; Bristol-Myers Squibb

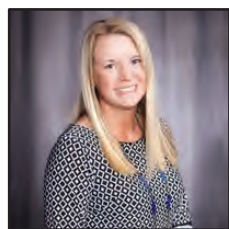
Graduate Fellowship; Daniels Fund Scholarship.

Publication: Three Chemically Linked Vemurafenib Inhibitors Promote an Inactive BRAF V600E Conformation; Protein Quality Control is a Risk Factor and Therapeutic Target in Toxin Induced Biliary Atresia; Synthesis and Structure–Activity Relationship Study of Biliatresone, a Plant Isoflavonoid That Causes Biliary Atresia; one additional publication.

Misty Rowe (Misty D. Rowe-Konopacki), Ph.D.

Applied Chemistry (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

Cementing Technology Portfolio Manager, Halliburton, Houston, TX. [TECH]



Accomplishments: Baroid Technology Engineering & Software Manager; Principal Scientist; Senior Scientist; Order of Omega Outstanding Faculty Award (2007-2008)

Publications: eight; fourteen publications of conference proceedings; eleven invited talks and presentations.; International Conference on Polymer Synthesis (Best Poster Award 2002). Patents (2): Lanthanide nanoparticle conjugates and uses thereof; Gold/lanthanide nanoparticle conjugates and uses thereof.

Derek Dalton, Ph.D.

Organic Chemistry (Colorado) Colorado-Wyoming LSAMP (Colorado State University).

Scientist, Genentech (Biotechnology, subsidiary of Roche Holding AG), San Francisco, CA. [TECH]



Accomplishments: Ruth L. Kirschstein National Research Service Award Predoctoral Fellowship; Mike Milash Outstanding Teaching Assistant Award;

Outstanding Graduating Senior Award. Publications: Three Supramolecular Ga4L6-12 Cage Photosensitizes 1,3-Rearrangement of Encapsulated Guest via Photoinduced Electron Transfer; Zn-Catalyzed Enantio- and Diastereoselective Formal [4 + 2] Cycloaddition Involving Two Electron-Deficient Partners: Asymmetric Synthesis of Piperidines from 1-Azadienes and Nitro-Alkenes; additional publications.

Shay Robinson, Ph.D.

Solid State Electrochemistry (Colorado) Colorado-Wyoming LSAMP (Colorado School of Mines).

Project Specialist, Electrode Research and Development, University of Oslo, Norway. [TECH]



Accomplishments: Research Fellow University of Oslo, Norway; Publications: Two Joint Elastic Side-Scattering Lidar and Raman Lidar Measurements of Aerosol Optical Properties in South

East Colorado; additional publications.

Philip Wheeler, Ph.D.

Chemistry (Colorado) Colorado-Wyoming LSAMP
(Colorado State University).

**Development Manager, Umicore (Materials
Technology), Los Angeles, CA. [TECH]**



Accomplishments:

Discovery and development of conditions for asymmetric, NHC-catalyzed fluoroamide synthesis; application of rhodium-catalyzed

alkylative desymmetrization of meso-2, 4-dimethylglutaric anhydride toward the total synthesis of (+)-okilactomycin. Publications: Scalable Methods for the Removal of Ruthenium Impurities from Metathesis Reaction Mixtures; Stereoelectronic Basis for the Kinetic Resolution of N-Heterocycles with Chiral Acylating Reagents; Asymmetric NHC-catalyzed synthesis of α -fluoroamides from readily accessible α -fluoroenals; Exploiting acyl and enol azolium intermediates via N-heterocyclic carbene catalyzed reactions of alpha-reducible aldehydes; Development of a Practical Synthesis of a p38 MAP Kinase Inhibitor; Practical Synthesis of a p38 MAP Kinase Inhibitor; Comparative approaches toward diamines containing spatially separated homobenzylic and benzylic nitrogen stereocenters.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP)

PI: Dr. Bobby Wilson bobby.wilson@tsu.edu

Co- PIs:

Dr. Willie Taylor willie.taylor@tsu.edu

Dr. Gregory Passty passty@txstate.edu

Dr. Donna Pattison dpattison@uh.edu

Dr. Madgy Akladios akladios@uhcl.edu

Dr. Akif Uzman uzmana@uhd.edu



Institutional Partners:

Texas Southern University, Houston, Texas (Lead Institution)

Texas State University, San Marcos, Texas

University of Houston, Houston, Texas

University of Houston-Clear Lake, Houston, Texas

University of Houston-Downtown, Houston, Texas

William Holtkamp, Ph.D.

Computer Science

University of Houston

Houston Louis Stokes Alliance for Minority Participation
(H-LSAMP) University of Houston-Downtown

Software Engineer

OpenLink Financial



Accomplishments:

William is a Software Engineer from Houston, TX. He attended the University of Houston-Downtown and studied Computer Science.

After graduating in 2007, he joined the PhD Program in Computer Sciences with a

GAANN Fellowship at the University of Houston and graduated in 2012. William's graduate research focused on improving user experiences and human computer interactions. Currently, William is working for OpenLink Financial, an energy/commodity trading and risk management company. He works with energy companies to build unique, intuitive user experiences in their commodity trading applications.

Antonio Tito, Ph.D.

University of Texas Health Sciences Center –
Houston

Houston Louis Stokes Alliance for Minority Participation
(H-LSAMP) University of Houston-Downtown

Business Development Analyst

Medical Metrics, Inc.



Accomplishments:

Dr. Tito was a member of the Scholars Academy participating in many Student Research Conferences as an undergraduate. He currently works as a Business Development Analyst at Medical Metrics, Inc.

Desmond Adamu, MD

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Medical Doctor: Board Certified Urologist and Surgeon
South Texas Health Systems, Valley Care Clinics
McAllen, TX



Accomplishments: Desmond Adamu earned his Medical Degree from Meharry Medical College in Nashville, Tennessee. He completed his Residency in Urology/Urologic at the University of Miami, Miller School of Medicine in Miami, Florida and internship at the Jackson Memorial Hospital in Miami, Florida. He is a Board Certified Urologist and is licensed by the State Board of Texas. He holds memberships in the American Urological Association, American College of Surgeons, American Chemical Society and the Texas Academy of Science. He received a BS in Chemistry, "**Summa Cum Laude**" from Texas Southern University. He is an active member of the American Chemical Society. He speaks English, French, and Spanish fluently.

RaiAnna Arscott Hopson, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Research Scientist, USDA Agriculture Company
Mobile, AL



Accomplishments: RaiArnna Arscott Hopson earned her Ph.D. in Chemistry from Oklahoma State University. RaiAnna received the OK-LSAMP Bridge to Doctorate and Skinner Fellowships, and Walt Kolb Scholarship, which funded her Ph.D. program. Her research focused on the

development of new bioinspired organic semiconductors based on the natural pigment, Eumelanin. She has published three research articles entitled, "*Eumelanin-inspired core derived from vanillin: A new building block for organic semiconductors*", "*Effects of structural variations on the optical and electronic properties of eumelanin-inspired small molecules*", and "*Synthesis and characterization of eumelanin-inspired poly(indoyleareylenevinylene)s and poly(indoyleareyleneethynylene)s.*" RaiAnna was awarded the National Research Council Research Associateship where she served as Fellow with the United States Air Force. RaiAnna is currently employed as a scientist for a major agricultural company near Mobile, Alabama. She received her BS in Chemistry, "**Cum Laude**" from Texas Southern University.

Livina Anyiam, PharmD, RPh

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Pharmacist, Walgreen Drugs
Houston, TX



Accomplishments: Livina Anyiam earned her Doctorate of Pharmacy degree from Texas Southern University, College of Pharmacy and Health Sciences in Houston, Texas. She is a licensed Registered Pharmacist in the State of Texas and is employed at Walgreens Drugs and is the lead pharmacist. She received her BS in Chemistry, "Cum Laude" from Texas Southern University.

Ariel Bowman, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Lockheed Martin Metrics and Data Analyst
Grand Prairie, TX



Accomplishments: Ariel Bowman earned her Ph.D. in Mathematics from the University of Texas at Arlington. She was the recipient of the University of Texas Bridge to the Doctorate which funded her Ph.D. She completed one publication with her advisor and with another colleague and submitted a paper to the Brain Informatics

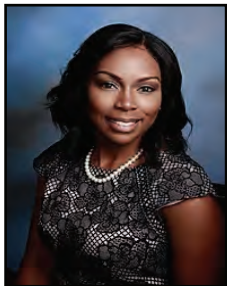
Conference, published through Springer-Nature Book Series. Dr. Bowman recently accepted a Metrics & Data Analyst position at Lockheed Martin in Grand Prairie, Texas. This Lockheed Martin location is known as the Missiles and Fire Control division. Her long-term goal is to continue doing research in Mathematical Biology and to help young women to see that African-American women in Mathematics are achievable. She graduated with a BS in Mathematics, "Summa Cum Laude" and the class Valedictorian from Texas Southern University.

MarJuana Bush Williams, JD

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

MarJuana Bush Williams, PLLC

Port Arthur, TX



Accomplishments: *MarJuana Bush Williams* received her Doctorate of Juris Prudence degree from South Texas College of Law in Houston, Texas. She is Board Certified in Commercial and Residential Real Estate Law and a member of the Texas Bar College. In 2018, she left Orgain, Bell & Tucker, LLP to form her own modern boutique law firm that operates at the

intersection of real estate development, commercial lending and the law to provide the best value to our clients. As a real estate developer, MarJuana Bush Williams, PLLC is certified as a women's business enterprise by the Women's Business Enterprise National Council (WBENC). The firm is also a City of Houston certified Minority and Women Business Enterprise (MBE/WBE) and a State of Texas Historically Underutilized Business (HUB). She graduated with a BS in Chemistry, "Cum Laude" from Texas Southern University.

Tara Gainey, DDS

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Meharry Medical College: Currently Enrolled Specialization: Pediatric Dentistry, Nashville, TN



Accomplishments: *Tara Gainey* received the Doctor of Dental Surgery (DDS) degree from Meharry Medical College in Nashville, Tennessee. After graduation she decided to further her education by continuing her dental training in a general practice residency program at Bronx Lebanon Hospital Systems. The rigorous training prepared her by practicing on hundreds of adult patients who were severely immune-

compromised and had special needs. Dr. Gainey was currently employed with Craven and Plummer, Inc., Harris Health Systems. Dr. Gainey is currently enrolled in Meharry Medical School where she will obtain a specialty in Pediatric Dentistry to be completed by 2021. She received her BS in Biology, "Cum Laude." from Texas Southern University.

Shayla T. Bryant, PharmD, RPh

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Pharmacist, True Value Pharmacy

Houston, TX



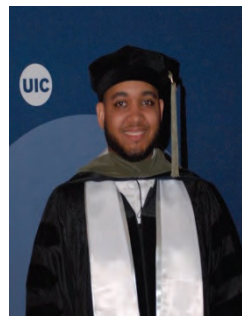
Accomplishments: *Shayla T. Bryant* earned her Doctorate of Pharmacy degree from Texas Southern University, College of Pharmacy and Health Sciences in Houston, Texas. She is a licensed Registered Pharmacist in the State of Texas and works for True Value Pharmacy. She graduated with a BS in Chemistry "Cum Laude" from Texas Southern University.

George Lewis, PharmD, RPh

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Pharmacist Consultant

Dallas, TX



Accomplishments: *George Lewis* earned a Doctorate of Pharmacy degree from the University of Illinois at Chicago. While enrolled at the University of Illinois at Chicago he received the prestigious Albert Schweitzer Fellowship, the Urban Health Pharmacy Scholar, the Academic Excellence Recruitment Scholar, and a featured

Publication in The Journal of American Pharmacist Association for Emergency Department Interventions. Currently, He is a licensed Registered Pharmacist in the State of Texas and is a Consultant Pharmacist in Dallas, Texas. He received his BS in Chemistry, "Cum Laude" from Texas Southern University.

Ashley Guillory, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Assistant Professor of Instruction

**University of Texas Medical Branch at Galveston
Galveston, TX**



Accomplishments: *Ashley Guillory* earned her Ph.D. in Pharmacology from the University of Houston where her research focused on investigating the molecular mechanisms associated with the maladaptive changes of β -adrenergic receptor signaling in heart failure with the intention of identifying new therapeutic targets for the treatment of heart failure. She worked as a

postdoctoral fellow in the Surgery department at the University of Texas Medical Branch in Galveston, Texas in conjunction with Shriners Hospital for Children-Galveston. Her research interests include burn trauma, stress-induced cardiovascular dysfunction, beta-adrenergic receptor signaling, cardiovascular pharmacology and molecular biology. She graduated with a BS in Chemistry, "Magna Cum Laude" from Texas Southern University. She is on the faculty at UTMB Galveston as an Assistant Professor of Instruction.

Tierra Johnson, PharmD, RPh

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Pharmacist, Walgreens Drugs
Houston, TX**



Accomplishments: *Tierra Johnson* earned her Doctorate of Pharmacy degree from Texas Southern University, College of Pharmacy and Health Sciences in Houston, Texas. She is a licensed Registered Pharmacist in the State of Texas and works for Walgreens Pharmacy. She graduated with a BS in Chemistry "Summa Cum Laude" from Texas Southern University.

Alicia Martin, Ed.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Dean of Instruction, Houston Independent School District
Adjunct Professor, Lone Star Community College
Houston, TX**



Accomplishments: *Alicia Martin* earned a Doctorate in Educational Leadership (Curriculum & Instruction-Math) from the University of Houston-Clear Lake. She began her career in North Forest ISD and worked in Goose Creek CISD as a high school mathematics teacher, team leader, and district professional development facilitator. Before joining Willowridge High School, she was an Assistant Principal, Dean

of Instruction, and Secondary Mathematics Specialist in Channelview ISD. In addition she has been an adjunct mathematics instructor at Lone Star College and Lee College for the past several years. She graduated with a BS in Mathematics, "Summa Cum Laude" from Texas Southern University.

Pamela Mbonu, PharmD, RPh

Houston Louis Stokes Alliance or Minority Participation (H-LSAMP) Texas Southern University

**Pharmacist, CVS
Houston, TX**

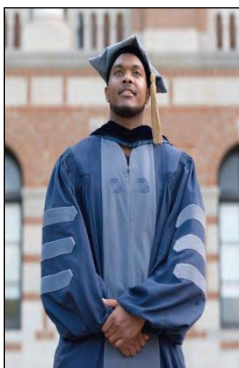


Accomplishments: *Pamela Mbonu* earned her Doctorate of Pharmacy degree from Texas Southern University, College of Pharmacy and Health Sciences in Houston, Texas. She is a licensed Registered Pharmacist in the State of Texas and works for CVS Pharmacy. She graduated with a BS in Chemistry "Cum Laude" from Texas Southern University.

Matthew Minus, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Assistant Professor, Chemistry
Prairie View A&M University
Prairie View, TX**



Accomplishments: *Matthew Minus* earned his Ph.D. in Chemistry from Rice University in Houston, Texas. At Rice University, he earned both teaching and departmental service awards. Matthew received both the prestigious NSF-AGEP and NIH-NRSA fellowships. In the lab, he conducted leukemia research, which was published in *Angewandte Chemie*. He also has pending publications. After obtaining his Ph.D. in Chemistry from Rice University, he accepted a

post-doc position at the University of Texas in Austin where he spent a year doing research and teaching. He accepted a tenured faculty position after the completion of the post-doc at Prairie View A&M University in the chemistry department. He graduated with a BS in Chemistry, "Cum Laude" from Texas Southern University.

D'vesharronne Moore, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Scientific Technology Firm
Silicone Valley, CA**



Accomplishments: *D'vesharronne Moore* earned her Ph.D. in Chemistry from Texas A&M University in College Station. She received the Bridge to Doctorate funding at Texas A&M for her Ph.D. She accepted a post doc position at Columbia University in New York for two-years and conducted research. Currently she is employed with a Scientific Technology Firm in Silicone Valley in California. She graduated with a BS in Chemistry, "Cum Laude" from Texas Southern University.

Ruqiah Muhammad, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Data Analytics Scientist
Cleveland, OH**



Accomplishments: *Ruqiah Muhammad* earned her Ph.D. in Mathematics from the University of Iowa. She was the recipient of the Graduate Assistance in Areas of National Need fellowship by the Department of Education at the University of Iowa. She is currently working as a Data Analytics Scientist for a major Fortune 500 company in Cleveland, Ohio. She graduated with a BS in Mathematics, "Summa Cum Laude" from Texas Southern University.

Alise North, PharmD, RPh

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Pharmacist, Houston Methodist Southwest Hospital
Houston, TX**



Accomplishments: *Alise North* earned her Doctorate of Pharmacy degree from Howard University, College of Pharmacy in Washington, D.C.,. She is a licensed Registered Pharmacist in the State of Texas and works for the Houston Methodist Southwest Hospital System. She holds professional memberships in the American Chemical Society, the National Organization for the Advancement of Black Chemists and Chemical Engineers and the American Pharmacists Association, and Beta Kappa Chi Scientific Honor Society. She graduated with a BS in Chemistry "Cum Laude" from Texas Southern University.

Frank North, PharmD, RPh

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Pharmacist, Harris County Hospital District
Houston, TX**



Accomplishments: *Frank North* earned his Doctorate of Pharmacy degree from Texas Southern University, College of Pharmacy and Health Sciences in Houston, Texas. He is a licensed Registered Pharmacist in the State of Texas and in the District of Columbia in Washington, D.C. He works for the Harris County Hospital District. He is a life member and serves as Zone 4 Director on the board for the National Pharmaceutical Association, a member of the Association of Black Health systems Pharmacist, American Society of Consultant Pharmacist and the Texas Pharmacy Association. He graduated with a BS in Chemistry from Texas Southern University.

Aqeeb Sabree, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Xavier University, Assistant Professor, Mathematics
Cleveland, OH**



Accomplishments: *Aqeeb Sabree* earned his Ph.D. in Mathematics from the University of Iowa. His research interests are in Functional Analysis. Currently he accepted a tenured faculty position in the department of Mathematics at Xavier University in Ohio. He was the recipient of the Graduate Assistance in Areas of National Need fellowship by the Department of Education at the University of Iowa. He graduated with a BS in Mathematics, "Magna Cum Laude" from Texas Southern University.

Michael Sonier, MD

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**MD/Board Certified Family Practice
Olla, LA**

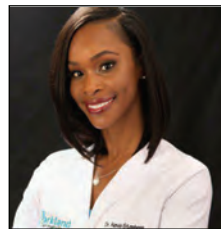


Accomplishments: *Michael Sonier* earned his Medical Degree from American University of the Caribbean School of Medicine. He completed his Residency in Family Medicine at Louisiana State University. He is Board Certified in Family Medicine. He is affiliated with multiple hospitals in the Louisiana area. His primary practice is in Olla, Louisiana. He graduated with a BS in Biology from Texas Southern University.

Alexis Stephens, D.O. FAAD, FAU

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Founder: Parkland Dermatology and Cosmetic Surgery
Coral Springs, FL**



Accomplishments: *Alexis Stephens* earned her Doctor of Osteopathic Medical Degree from the Ohio University College of Osteopathic Medicine. She completed further Dermatology Training as a Resident at Nova Southeastern University in Broward County, Florida, where she quickly rose to the top of her class and became chief resident Alexis Stephens, DO, FAOCD, FAAD, specializes in improving upon each and every one of them with expert dermatological and cosmetic treatments. As the lead board-certified dermatologist and founder at Parkland Dermatology & Cosmetic Surgery in tropical Coral Springs, Florida, Dr. Stephens brings the latest techniques and technologies communities in the area. She graduated with a BS in Chemistry, "Magna Cum Laude" from Texas Southern University.

Siobhan Tarver, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Physical Scientist, Environmental Protection Agency
New Orleans, LA**



Accomplishments: *Siobhan Tarver* earned her Ph.D. in Environmental Toxicology from Texas Southern University in Houston, Texas. She is currently employed as a Physical Scientist at the EPA in New Orleans, Louisiana. She holds professional memberships in the American Chemical Society and the National Organization for the Professional

Advancement of Black Chemists and Chemical Engineers. She graduated with a BS in Chemistry from Texas Southern University.

Kiara Taylor-Edinbyrd, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Research Scientist in the Ph.D. Professional Development Program at BASF
Florham Park, NJ**



Accomplishments: *Kiara Taylor-Edinbyrd* earned her Ph.D. in Chemistry from Louisiana State University. She is currently a Research Scientist in the Ph.D. Professional Development Program at BASF. She was partially supported by NSF's Bridge to the Doctorate Program and EPSCoR/LA-SIGMA at LSU. As a young researcher she began to

unequivocally realize that the STEM field was one that she was quite comfortable in. As a result she performed research in labs worldwide including spending time two consecutive summers in Grenoble, France and Hong Kong, China performing research and networking with potential collaborators. She graduated with a BS in Chemistry, "Magna Cum Laude" from Texas Southern University.

Katoria Tatum-Gibbs, Ph.D.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Agricultural Chemists III, BASF
Durham, NC**



Accomplishments: *Katoria Tatum-Gibbs* earned her Ph.D. in Environmental Toxicology from Texas Southern University in Houston, Texas. She is currently an Agricultural Chemists III at BASF-The Chemical Company. Her current responsibilities involve understanding the consumer risks associated with various agricultural

chemicals, as well as understanding the regulatory guidelines for the successful global registration of BASF Agricultural products. She graduated with a BS in Chemistry from Texas Southern University.

Helen Ubanyionwu-Muoneke, PharmD, RPh.

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

**Pharmacist, St. Hope Pharmacy
Houston, TX**



Accomplishments: *Helen Ubanyionwu-Muoneke* earned the Doctorate of Pharmacy degree from Texas Southern University, College of Pharmacy and Health Sciences in Houston, Texas. She is currently a Clinical Pharmacist at St. Hope Pharmacy. She has published several articles in the Department of Defense

Minority Summer Internship at the Army Research Laboratory in Adelphi, Maryland Project: Chemical Analysis of Military Jet Fuels (Fuels 2006) Health Sciences in Houston, Texas. She graduated with a BS in Chemistry, "Summa Cum Laude" from Texas Southern University.

Samuel Ubanyionwu, PharmD, RPh

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) Texas Southern University

Pharmacy Faculty, Mayo Clinic, Rochester, MN



Accomplishments: *Samuel Ubanyionwu* earned the Doctorate of Pharmacy degree from Texas Southern University, College of Pharmacy and Health Sciences in Houston, Texas. He continued his passion for science and technology and pursued a career as a Clinical Pharmacy Informaticist. He completed his first year postgraduate Pharmacy Residency

training (PGY-1) at Harris Health System in Houston, Texas and completed his postgraduate year two (PGY-2) Pharmacy Informatics training at Mayo Clinic in Rochester, Minnesota. He is currently on the faculty. He graduated with a BS in Chemistry, "Summa Cum Laude" from Texas Southern University.

Salman Hasan, D.O. – University of North Texas Health Science Center, Texas College of Osteopathic Medicine – Fort Worth TX

(Texas). H LSAMP (University of Houston)
Radiation Oncologist at Ascension Via Christi, Wichita KS

Clinical Assistant Professor at University of Kansas Medical Center School of Medicine Wichita KS



Accomplishments: *Salma Hasan* is a recipient of a D.O. Degree from the University of North Texas Health Science Center, Texas College of Osteopathic Medicine. He is the recipient of various honors and awards including Baylor Scott and White Memorial Hospital Radiation Oncology Department Chief Resident, GME Scholarly Activity Travel Program Award – ASTRO 2018, Baylor Scott and White

Memorial Hospital Radiation Oncology Department Resident of the Year. He is also a member of ASTRO: American Society for Radiation Oncology, ACRO: American College of Radiation Oncology, and ASCO: American Society of Clinical Oncology, 3 publications.

Noor Alzarka, M.D. M.P.H. – University of Texas Health Science Center at Houston

(Texas). H LSAMP (University of Houston)
Physician at Memorial Hermann Health System [BIO]



Accomplishments: *Noor Alzarka* graduated summa cum laude from the University of Houston and went on to earn M.D. and M.P.H. degrees. She completed a fellowship in Primary Care Sports Medicine, and she serves as a Clinical Assistant Professor at UTHealth. She was awarded Certificates of Achievement for

Excellence in Sports Medicine and for Excellence in Behavioral Medicine. She also earned certifications in Healthcare Management and in Physician Education. She has presented numerous case reports at the national level and has served as a team physician for many teams ranging from junior to professional level sports.

Sobiya Ansari, M.D. - Texas

(Texas). H LSAMP (University of Houston)

Physician at NYC Health + Hospitals, New York City NY. [BIO]



Accomplishments: *Sobiya Ansari* is a recipient of an M.D. Degree in May of 2014.

Kayla Bicol, Ph.D. – University of Houston

(Texas). H LSAMP (University of Houston)

Postdoctoral Associate at Massachusetts Institute of Technology



Accomplishments:

Kayla Bicol is a recipient of a Ph.D. Degree from the University of Houston in Texas. She is Co-founder and President of the University of Houston Student Chapter of the Association for Women in Mathematics with a publication in Numerical Methods for Flows.

Christina D. King, Ph.D. – Analytical Chemistry – University of Pittsburgh

(Texas). H LSAMP (University of Houston)

Christina D. King, Ph.D. – Analytical Chemistry – University of Pittsburgh



Accomplishments:

Christina King is a recipient of a Ph.D. Degree in Analytical Chemistry from the University of Pittsburgh. Her research focuses on how hypertension is related to the onset of Alzheimer's disease in African

Americans by applying proteomics techniques. NOBCCHE Nashville Chapter and National member, Broadening the Representation of Academic Investigators in Neuroscience (BRAINS) 2019 Fellow, Alzheimer's Disease and Related Dementias (ADRD) 2019 Summit Scholarship Recipient, Vanderbilt Interdisciplinary Training Program in Alzheimer's Disease Trainee, Phi Lambda Upsilon Xi (PLU) Honorary Chemical Society member, 5 publications.

Daniel Timme, M.S. – Systems Engineering and Space Systems Engineering – Ohio

(Texas). H LSAMP (University of Houston)

Nuclear Systems Test Analyst for United States Air Force [MPS]



Accomplishments:

Daniel Timme is a recipient of M.S. Degrees in Systems Engineering and Space Systems Engineering. He is an AFIT Systems Engineering Award recipient with a publication in Quality Engineering.

Alexis Desir, M.D. – University of Toledo College of Medicine

(Texas). H LSAMP (University of Houston)

General Surgery Resident at UT Southwestern Medical Center, Dallas TX



Accomplishments:

Alexis Desir is a recipient of an M.D. Degree from the University Of Toledo College Of Medicine in Ohio. She is an avid proponent of improving minority outcomes when it comes to healthcare. Whether it's done clinically, through research in pancreatic cancer outcomes, or administratively through academic papers regarding the diversity in medical schools and

recently in improving minority performance in undergraduate and graduate studies. Determined to ensure minorities are successful and well represented in the medical field, she has created an online system titled "How to Learn" teaching others how to learn and how to allow their work to actually mean something which leads to more efficient learning, creates long term retention, and ultimately higher scores that can allow these students to enter competitive fields and programs.

Keyon Shokraneh, D.O. – Touro University – Nevada

(Texas). H LSAMP (University of Houston)

Emergency Medicine Resident Physician at Brandon Regional Hospital, Brandon FL



[BIO]

Accomplishment:

Keyon Shokraneh is a recipient of a D.O. Degree from Touro University in Nevada.

Himani Patel, D.P.M. – Western University of Health Sciences – Pomona, California

(Texas). H LSAMP (University of Houston)

Podiatry Physician, Kaiser Permanente - Downey Medical Center [BIO]

Accomplishments:



Himani Patel is a recipient of a D.P.M. Degree from Western University of Health Sciences in Pomona, CA. She completed post graduate residency training in foot and ankle surgery at Baylor Scott and White Health for 3 years. Honorable mention for a manuscript presentation at an American College of Foot and

Ankle Surgery (ACFAS) Conference in 2018 at Nashville, TN, Central TX VA Foot and Ankle Lecture Series 1st place lecture, Western University of Health Sciences College of Podiatric Medicine Pi Delta Honor Society, Who's Who Amongst Students, Western University of Health Sciences College of Podiatric Medicine Dean's List, Western University of Health Sciences College of Podiatric Medicine APMA educational foundation scholarship.

Iris Nira Smith, Ph.D. – Biochemistry – University of Houston

(Texas). H LSAMP (University of Houston)

Postdoctoral Fellow at Cleveland Clinic Lerner Research Institute, Genomic Medicine Institute in Ohio



Accomplishments:

Iris Smith is a recipient of a Ph.D. Degree in Biochemistry from the University of Houston in Texas. As a computational biophysicist, her research interests have been largely directed towards utilizing computational models to understand structure-function relationship of biomolecules at the

atomistic level, and the predicted molecular mechanism of the dysfunctions of these biomolecules that lead to disease. American Society of Human Genetics Trainee Spotlight Award, F. Merlin Bumpus Junior Investigator Basic Research Presentation First Place Award, Cuyahoga County Division of Children and Family Services Rising Star Award, Case Comprehensive Cancer Center Trainee Travel Award, 6th Annual Genomic Medicine Institute Symposium Best Poster Award, 4 publications.

Fatima Syed, M.D. J.D. – Houston, Texas

(Texas). H LSAMP (University of Houston)

Resident Physician (OB/GYN) at Baylor College of Medicine, Houston TX [BIO]



Accomplishments:

Fatima Syed is a graduate of the Baylor College of Medicine- University of Houston Law Center MD/JD program. She is a recipient of the Gold Humanism Award and has been published four times in medical journals including Obstetrics & Gynecology and Journal of Pediatric and Adolescent Gynecology.

Sara Andrabi, M.D. – Baylor College of Medicine – Houston, Texas

(Texas). H LSAMP (University of Houston)

Assistant Medical Director, Ben Taub Hospital Emergency Center Harris Health System

Assistant Program Director, Emergency Medicine Residency Program Department of Emergency Medicine

Assistant Professor Baylor College of Medicine



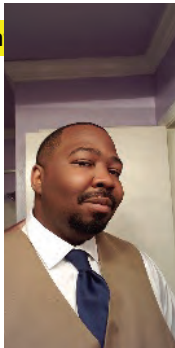
Accomplishments:

Sara Andrabi earned an M.D. Degree from Baylor College of Medicine in Texas. She is the recipient of various honors and awards including EMRA Resident of the Year, TCEP Outstanding Medical Student Award, EMRA Fellow of the Year, EMRA Chief Residents of the Year, and TCEP Outstanding Committee Award.

Mark White, Ph.D. – Cellular and Molecular Biology - University of Houston

(Texas). H LSAMP (University of Houston)

Laboratory



Accomplishments:

Mark White is a recipient of a Ph.D. Degree in Cellular and Molecular Biology at the University of Houston. He has 5 publications in Oncogene, Endocrine Related Cancer, Molecular Cancer Research, and Autophagy.

Joniqua Ceasar, M.D. – Baylor College of Medicine – Houston, Texas

(Texas). H LSAMP (University of Houston)

Combined Internal Medicine and Pediatrics Resident Physician at Johns Hopkins Hospital in Maryland



Accomplishments:

Joniqua Ceasar is a recipient of an M.D. Degree from Baylor College of Medicine in Texas. She will be matriculating into residency at Johns Hopkins Hospital for Internal Medicine and Pediatrics in Baltimore, Maryland. Doctors for Change Healthcare Advocacy Trainee

Award, Physicians as Advocates: From the Clinic to the Capitol Co-Founder and Student Coordinator, Dean's Committee on Social Determinants of Health Breakout Sessions Committee Chair, White Coats for Black Lives (WC4BL) National Working Group Member, Student National Medical Association National Chair of Health Policy and Legislative Affairs Committee, Houston Outreach Medicine, Education and Social Services (HOMES) Clinic Manager, 23 publications.

Namera Baig, Ph.D. University of Notre Dame

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) University of Houston-Downtown

Post-Doctoral Fellow Lawrence Berkeley National Laboratories



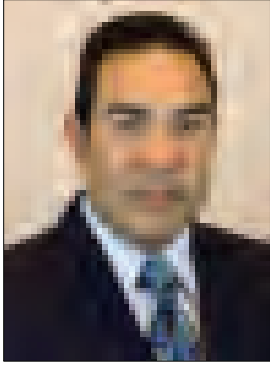
Accomplishments:

Dr. Baig was a member of Scholars Academy as well as selected as a peer mentor for the larger organization. She mentored 8-10 undergraduates majoring in biochemistry. She participated annually in the Student Research Conference and was invited back in 2018 as the SRC Alumnus Keynote for the event. She is currently in a postdoc position with Lawrence Berkeley National Laboratories.

Phillip Gallegos, M.D.
American University of the Caribbean

Houston Louis Stokes Alliance for Minority Participation
(H-LSAMP) University of Houston-Downtown

Anesthesiologist
US Anesthesia and Pinnacle Anesthesia



Accomplishments:

Dr. Gallegos was a biochemistry major as well as a member of the Scholars Academy. He participated in the Student Research Conference and was invited as the SRC Alumnus Keynote in 2015. Currently, he is an anesthesiologist with US

Anesthesia and Pinnacle Anesthesia.

Brian Holtkamp, Ph.D.
University of Houston

Houston Louis Stokes Alliance for Minority Participation
(H-LSAMP) University of Houston-Downtown

Software Engineer
HTX Labs



Accomplishments:

Dr. Holtkamp was a Computer Science major and as a senior he was Senior Peer Mentor for all peer mentors. As a UHD computer science major, he pioneered service projects teaming up with Houston

ISD campuses and rebuilding donated personal computers for gifting to students in the district. Currently, he is employed as a software engineer with HTX Labs.

Obadiah Kegege, Ph.D.
University of Arkansas

Houston Louis Stokes Alliance for Minority Participation
(H-LSAMP) University of Houston-Downtown

Electronics Engineer
Systems Engineering and Analysis Division
NASA Glenn Research Center



Accomplishments:

Dr. Obadiah Kegege received his Bachelor of Science in Control and Instrumentation Electronics Design (Summa Cum Laude) from the

University of Houston-Downtown in 2002 as a LSAMP and Scholars Academy member.

He later earned his Masters of Science in Electrical Engineering in 2006 under LSAMP Bridge to doctorate program from the University of Texas Pan American (Thesis: Ultra-Wide Band Radar for Near-Surface and Buried Target Detection) and a PhD in 2009 from the University of Arkansas (Dissertation: Design and Verification of Integrated Reconfigurable Driver and Current Sensor for Extreme Space Environments).

Miriam Morales, Ph.D.
University of Texas Health Science Center
School of Public Health

Houston Louis Stokes Alliance for Minority Participation
(H-LSAMP) University of Houston-Downtown

Associate Vice President of Data Science
Memorial Hermann Healthcare



Accomplishments:

Dr. Morales graduated from the Scholars Academy at UH-Downtown with a Bachelor of Science in Applied Mathematics in 2001. Dr. Morales began her career at the Baylor College of Medicine Children's Nutrition Research Center as an intern.

She went on to pursue her Masters of Science in Biostatistics and transitioned to the University of Texas Medical School as the Biostatistician for their Neurosciences Department. Dr. Morales earned her Doctorate in Epidemiology with emphasis in the Evaluation of Healthcare Systems in April 2018 from the University Of Texas Health Science Center- School Of Public Health.

Claudia Jimenez Sturman, Ph.D.
University of Texas –Health Science Center Houston
Microbiology and Molecular Genetics

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) University of Houston-Downtown

Research Scientist
Gene by Gene



Accomplishments: Dr. Jimenez-Sturman is transitioning into a new position as Assistant Laboratory Director. Gene by Gene started as a DNA-based ancestry and genealogy company (Family Tree DNA) and now has expanded to provide clinicians and patients with access to a variety of clinical and research genetic tests.

Karina Vazquez-Arreguin, Ph.D.
University of Utah, Molecular Biology
Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) University of Houston-Downtown

Post-Doctoral Fellow
MD Anderson Cancer Center
Kalluri Laboratory



Accomplishments: Dr. Vazquez-Arreguin was a member of the Scholars Academy, and as a senior was one of the first College of Science & Technology graduation speakers at commencement. She is currently a post-doctoral Fellow at MD Anderson Cancer Center, Kalluri Laboratory.

Elda M. Rueda, Ph.D.
Physiological Optics and Vision Science
University of Houston

Houston Louis Stokes Alliance for Minority Participation (H-LSAMP) University of Houston-Downtown

Postdoctoral Associate
Department of Molecular Physiology and Biophysics
Baylor College of Medicine



Accomplishments: Dr. Elda Rueda obtained a B.S. in Chemistry from the University of Houston-Downtown in 2011.

While at UHD, Dr. Rueda was a member the Scholars Academy, served as an undergraduate researcher with Drs. Jerry Johnson and Byron Christmas, received the Outstanding Support as a Natural Science Tutor award, and was awarded

the Louis B. Stokes Alliance for Minority Participation scholarship two years in a row.

Dr. Rueda received her doctorate degree in Physiological Optics and Vision Science from the University of Houston in 2016 and she is currently a postdoctoral associate pursuing training at Baylor College of Medicine in the Department of Molecular Physiology and Biophysics.

**New Mexico Alliance for Minority Participation
State of New Mexico**

PI: President John Floros_ presidentfloros@nmsu.edu



Co-PIs:

Laura Crossey lcrossey@unm.edu
James Phillip King jpking@nmsu.edu
Sandra Way sway@nmsu.edu

Institutional Partners:

Eastern New Mexico University
New Mexico Highlands University
New Mexico Institute of Mining and Technology
New Mexico State University
Northern New Mexico College
University of New Mexico
Western New Mexico University

Central New Mexico Community College
Luna Community College
NMSU-Alamogordo Community College
NMSU-Carlsbad Community College
NMSU-Doña Ana Community College
Santa Fe Community College
San Juan Community College

Dr. Roberto Lopez, Ph.D., Asst. Professor, Department of Horticulture, Michigan State University, East Lansing, Michigan. [A]

New Mexico Alliance for Minority Participation.

Dr. Lopez served as Associate Professor and Floriculture Extension Specialist and Faculty Scholar in Dept. of Horticulture/Landscape Architecture, Purdue University. His publications include two books, eight book Chapters, and 32 Refereed Journal Publications and Conference Proceedings.

Accomplishments: Dr. Lopez received the B.S. in Biology and Economics in 2001 from the



University of New Mexico; and the M.S. and the Ph.D. in Horticulture from Michigan State University, in 2003 and

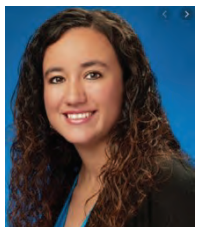
2007, respectively. He received the Cooperative Extension Specialist Association Early Career Award. He participated in the NM AMP Undergrad. Research Scholars. Now works with 4 undergraduates and formerly worked with 10 graduates. Students earned 87 lab awards. (Photo: Dr. Lopez' research)

Martha Martinez Grimes, Research Assistant Professor, Department of Chemistry and Microbiology, University of New Mexico, Albuquerque, NM. [BIO]

New Mexico Alliance for Minority Participation.

Martha Martinez Grimes was in the ASERT Program (the Academic Science Education and Research Training program) for Postdoctoral Fellows. [BIO]

Accomplishments: Dr. Grimes earned from New Mexico State University, the Ph.D. and the M.S.



in Molecular Biology, and the B.S. in General Microbiology. Dr. Grimes was an NSF Bridge to the Doctorate VI participant. While earning her graduate degrees, Dr. Grimes

participated in the Molecular Biology Graduate Student organization.

Daniel Colman, Assistant Research Professor in Microbiology and Immunology at Montana State University, Bozeman, Montana. [BIO]

New Mexico Alliance for Minority Participation.

Dr. Colman has authored 32 publications (13 were First Author) in a range of journals (First Author papers in PNAS, Nature Communications and more than ten others).

Accomplishments: NM AMP Bridge to the Doctorate program at University of New Mexico,



2015; received B.S./B.A. in Biology and Chemistry from the University of New Mexico, 2009. Has received a number of

grants and fellowships; is the recipient as PI or Co-PI of over \$1.1 million in grants over the last four years; is currently Coordinator and Instructor for General Microbiology Laboratories and Instructor for Teaching Methods.

New Mexico Alliance for Minority Participation.

Mark Seger, Ph.D., School of Sustainable Engineering and the Built Environment, Post Doc Associate, Arizona State University. [BIO]

Dr. Seger participated in Alliance for Graduate Education (AGEP) and the Professoriate and in the NIH Minority Biomedical Research Support Initiative for Scientific Enhancement (MBRS RISE).



Accomplishments:

Earned from NMSU in Molecular Biology: Ph.D., 2012; M.S., 2005; B.S., Agriculture. Authored 14

Publications, including two publications as First Author.

Teresa Ceseña, Associate Director of Regulatory and Medical Writing, MMS Holdings, Ann Arbor, Michigan. [BIO]

New Mexico Alliance for Minority Participation.

Dr. Ceseña has eight publications.

Accomplishments: Dr. Ceseña received the B.S. from University of New Mexico in Biology and Psychology in 2000; received the Ph.D. in Molecular and Cellular Biology. Postdoctoral



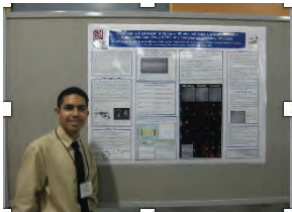
Fellow at the University of Michigan. At MMS, manages and oversees reports and projects and leads successful medical writing.

Daniel Ramirez, Postdoctoral Fellow at the University of Colorado Anschutz Medical Campus. [BIO]

New Mexico Alliance for Minority Participation.

Dr. Ramirez participated as in NM AMP Bridge to the Doctorate V and NSF Integrative Graduate Education and Research Traineeship (IGERT) with NMSU Computer Science and Biology Departments.

Accomplishments: Dr. Ramirez began undergraduate studies in the College Assistance Migrant Program (NMSU CAMP), which provides freshman year support and assistance to students whose families are seasonal agricultural



workers. He received from New Mexico State University the Ph.D. in Biology/ Neurobiology, and the B.S. in Biology (graduated with Honors). Participated in the RISE STARTUP Research Externship at Brigham and Women's Hospital and as BRAIN Graduate Facilitator at University of Colorado Anschutz Medical Campus.

Brandi Cron Kamermans, Department of Geosciences Distinguished Post-Doctoral Fellow at Penn State University, city of State College, PA.

New Mexico Alliance for Minority Participation

Brandi Cron Kamermans, is a Bridge to the Doctorate VI participant at the University of New Mexico, where she received a B.S. in Biology and M.S. in Geology and Earth Sciences. She received the Ph.D. from the University of Minnesota-Twin Cities in Biogeology [GEO]

Accomplishments: Three publications; received the Chief Manuelito Scholarship; recipient of



NSF Graduate Research Fellowship Program award; participated in the McNair Post-baccalaureate Achievement Program; participated in the UNM

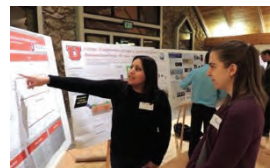
NM AMP Undergraduate Research Scholars program; Doctoral Fellowship.

New Mexico Alliance for Minority Participation.

Crystal Tulley Cordova, Ph.D., Principal hydrologist for the Navajo Nation, Department of Water Resources-Water Management Branch. [GEO]

Dr. Tulley-Cordova, Ph.D. in Geology, Master's of Water Resources, and B.S. in Earth and Planetary Sciences, University of New Mexico.

Accomplishments: Research focused on using historical records and isotope geochemistry to understand water resources of the Navajo Nation and susceptibility to climate land use change. She participates



as a technical expert in water rights meetings with tribal, city, state, and federal government. EPA STAR Fellow; interned at Los Alamos National Lab and Lawrence Livermore National lab.

Lani Tsinnajinnie, Ph.D., Assistant Professor University of New Mexico Community and Regional Planning Department, specialization in Water Resources, Albuquerque, NM. [GEO]

New Mexico Alliance for Minority Participation

EPA STAR Graduate Research Fellowship in which she participated in a hydrogeologic study on the Chuska Mountains in the Navajo Nation (Conducting field work, photo below.)

Accomplishments: Earned Dual Bachelor's degrees from University of New Mexico: B.S



degree, Environmental Science, and B.A. (with Honors) in Native American Studies; earned Masters in Water

Resources from University of New Mexico Planetary Sciences at University of New Mexico in 2012; Ph.D. in Hydrology, New Mexico Institute of Mining and Technology.

Cherie DeVore, Researcher at University of New Mexico Center for Native American Environmental Health Equity Research of New Mexico. She will earn the Ph.D. in May, 2020 in Environmental Engineering, UNM. [GEO]

New Mexico Alliance for Minority Participation.

Cherie co-authored "Mine Waste Effects on Water and Soil in Native American Land in Western USA," which significantly impacts native lands.



Accomplishments: Cheri works with Native American communities to better understand chemical and microbiological redox processes impacting metal stability and mobilization from

mine waste solids to surface waters, soils, and plants. She states, "Approximately less than 0.3% of STEM graduate degrees are earned by Native Americans. I am motivated to do more to integrate Native American perspectives in the larger scientific body of knowledge."

Alexander Nereson, Ph.D., GIS Analyst and Instructor, Research Scientist, Geologist, Santa Cruz, CA. [GEO]

New Mexico Alliance for Minority Participation

Dr. Nereson was a Bridge to the Doctorate VIII participant at the University of New Mexico, and he was awarded the National Science Foundation Graduate Research Fellowship Program fellowship.

Accomplishments: Dr. Nereson received a Ph.D.



from the University of California, Santa Cruz, in Earth and Planetary Sciences. He earned the M.S. degree in Earth and Planetary Sciences at

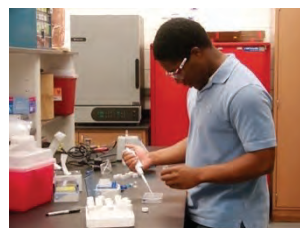
University of New Mexico; and the B.A. in Geology from Macalester College. He has authored five publications. He has almost 10 years of experience applying GIS, remote sensing, and field work to geological problems in academic and industry settings.

Akinbayowa (Bayo) Falase, works as TD Process Engineer for Intel Corporation in Beaverton, Oregon. [ENG]

New Mexico Alliance for Minority Participation.

Authored over four publications in his area of study, has been with Intel Corporation for over eight years, working internationally and nationally with the company.

Accomplishments: Dr. Falase participated in the NM AMP Bridge to the Cohort VI; earned the



Ph.D. in Chemical and Nuclear Engineering in 2011 and the B.S. in Chemical Engineering in 2005, both degrees from University of New

Mexico. He had a research emphasis in finding a pathway to completely oxidize ethylene glycol and glycerol, using a combination of inorganic and organic catalysts; worked with Intel in Leixlip, Ireland, where he served as a Seed engineer.

Jose Solis, Water Resources Professional III at the Office of the State Engineering Hydrology Bureau in Santa Fe, NM. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Solis earned the B.S. and M.S. from New Mexico State University and the Ph.D. from the University of Colorado at Boulder in Water Resources Engineering.

Accomplishments: Serves as Lead Technical Expert conducting hydrologic assessments to



support water rights administration, interstate stream compact compliance, subdivision review and other agency water management and

planning. In graduate school, Jose worked as a Graduate Mentor for undergraduate students participating in the Summer Multicultural Access to Research Training (SMART). In undergraduate school, he participated in NMSU's NM AMP SCCORE and URS programs.

Daniel Archuleta., J.D., Attorney-at-Law, Partner, Troutman Sanders, LLP, Washington, D.C. and B.S. in Civil Engineering at New Mexico State University. [ENG]

New Mexico Alliance for Minority Participation.

Daniel Archuleta joined the Leadership Council on Legal Diversity as a Fellow.

Accomplishments: Mr. Archuleta represents clients in the energy industry, with a particular focus on regulation/ competition issues. He represents natural gas pipelines, local distribution companies, electric utilities, energy traders, and transmission companies before the Federal Energy Regulatory Commission and state public utility commissions, including in administrative proceedings. He does Pro Bono work with Kids in Need of Defense, the Tahirih Justice Center (human rights) and Gifts for the Homeless organization.



Zachary Hendren, Research Environmental Engineer, RTI International, Research Triangle Park, North Carolina. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Hendren earned the Ph.D. from Duke University, and the M.S. and B.S. from New Mexico State University.

Accomplishments: Holds a Provisional Patent entitled "Electrically Conductive Membrane



Assembly and Related Systems and Methods; awarded funding for four grants from the

Department of Energy and the Department of Defense, the WateReuse Foundation, National Science Foundation, the Office Naval Research, and the U.S. Environmental Protection Agency, spanning a wide spectrum of technologies and end-user population sizes and contaminants of concern. This work has resulted in numerous publications, presentations, and technical reports for users.

Ben Rael, Ph.D., Intel Corporation, Process Engineering, 2016-Present, Alb., NM. [ENG]

New Mexico Alliance for Minority Participation.

Ben Rael, University of New Mexico Outstanding Graduate Student Award in Mechanical Engineering; LSAMP Bridge to the Doctorate Fellowship.

Accomplishments: B.S. in Physics, University of New Mexico; Ph.D. in Mechanical Engineering, University of New Mexico, 2016. Authored



publications; Fulbright Alternate, in which he performed discrete element modeling in Nantes, France in Exchange Program; Study

Abroad Award Diversity Programs, School of Engineering, University of New Mexico; 2nd Place award for Best Graduate Student Paper in the 2011 American Society for Engineering Education (ASEE) Gulf-Southwest Conference, TX, and awarded NSF IGERT Fellowship.

Anthony Torres, Ph.D., Associate Professor
Concrete Management Industry, Texas State
University. [ENG]

New Mexico Alliance for Minority Participation.

Anthony Torres has authored three publications
and developed five courses.

Accomplishments: B.S. degree in Civil



Engineering, New Mexico
State University; M.S. and
Ph.D. degrees, Civil
Engineering, University of
New Mexico. Worked as a
Materials Engineer at Applied

Technology Associates (ATA); Space Scholar,
Materials Engineer, Air Force Research Lab.;
Structural Engineering Intern, Chavez-Grievies
Consulting Engineers, Inc.; Engineering Intern,
NM Office of the State Engineer. Dr. Torres has
served as a Graduate Research Assistant and
Instructor at UNM.

Angelica Benavidez Sanchez, Ph.D. is a Research
Assistant Professor at University of New Mexico in
Albuquerque, NM. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Benavidez is a former NSF Graduate Research
Fellow Program recipient and a LSAMP Bridge to
the Doctorate participant in Chemical
Engineering/ Nanomaterials at the University of
New Mexico.

Accomplishments: Dr. Benavidez earned the
B.S. in Chemical Engineering from the University



of New Mexico in 2009.
One highlight of her
graduate studies was the
opportunity to attend the
Fifth San Luis Symposium
on Surfaces, Interfaces,
and Catalysis Conference

in September, 2010 in San Palo, Brazil with Jon
Paiz, Bridge to the Doctorate VIII participant,
also from the University of New Mexico. The
event was part of a series of symposia targeted
to unite Latin American and U.S. scientists in the
area of surface science.

Shakti Davis, Ph.D., Technical Staff,
Massachusetts Institute of Technology (MIT)
Lincoln Laboratory, Boston, MA. [ENG]

New Mexico Alliance for Minority Participation.

Shakti Davis was named Most Promising Engineer
at a U.S. Black Engineer of the Year Award
Conference in 2010.

Accomplishments: B.S. degree, New Mexico
State University (1999); Ph.D., University of



Wisconsin in Electrical and
Computer Engineering (2006);
received a U.S. patent for
microwave-based examination of
medical conditions using
hypothesis testing; was a

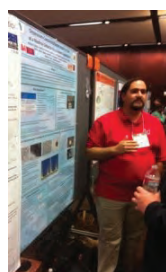
National Institutes of Health Post-Doctoral
Fellow, Graduate Engineering Research Scholar,
AT&T Laboratories Fellow; and recipient of IBM
Almaden Research Internship Award. She
authored, "Breast Tumor Characterization based
on Ultra-Wideband Microwave Backscatter".

Antonio Rivera, Ph.D., Yield Engineer, Intel,
Hillsboro, OR. [ENG]

New Mexico Alliance for Minority Participation.

President of the American Physics Society and
former Senior Scientist at Oak Ridge National
Laboratory, Oak Ridge TN.

Accomplishments: Ph.D. degree recipient in
Nanoscience and Microsystems from the



University of New Mexico. 10
First Author publications in
journals and proceedings; one
patent earned for Thermal
Neutron detection method; and
42 publications as First Author or
Co-author. NSF MAINST NMCR
Research Scholar; Minority

Graduate Education at Mountain States Alliance
Research Scholar; NM AMP Bridge to the
Doctorate Fellow; Integrating Nanotechnology
with Cell Biology and Neuroscience/ Integrative
Graduate and Education and Research
Traineeship (IGERT).

Matthew Rush, Post-Doc at Northern Arizona University. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Rush was a Bridge to the Doctorate Fellow at the University of New Mexico. Dr. Rush has authored 11 Publications.

Accomplishments: B.S., New Mexico Tech, Mechanical Engineering; M.S. in Nanoscience



and Microsystems Engineering, University of New Mexico. Ph.D. from the University of New Mexico Nanoscience & Microsystems

Engineering. Former Post-Doctoral Fellow at the University of New Mexico School of Medicine. Graduate Research Asst. in Center of Integrated Nano Technologies at Los Alamos National Laboratory. Received the Brian Colon Exemplary Service Award; was Graduate Student Commencement Speaker for College of Engineering; awarded Distinguished Leader of the Year Award, (Photo: Top Center, pointing.)

Theodore Mansfield, Ph.D., Resource Systems Group, Inc. (RSG, Inc.) Washington, D.C. Current position: Consultant. [ENG]

New Mexico Alliance for Minority Participation

Theodore Mansfield served as Data Fellow at the Office of the Secretary, U.S. Department of Transportation, Washington, D.C.

Accomplishments: Dr. Mansfield earned a Ph.D. in Environmental Science and Engineering in at the University of North Carolina-Chapel Hill. He earned the M.S. in City and Regional Planning and in Environmental Sciences and



Engineering. He earned the B.S. in Civil Engineering with a math minor. He published four articles. He was awarded the Doctoral Completion Fellowship, authored an article selected for media outreach by the Society for Risk Analysis, including the Boston Globe and Wall Street Journal.

Chris Torres, Ph.D. in process in Chemical Engineering (Ph.D. anticipated in May 2023) at the University of Illinois at Urbana-Champaign. He was an outstanding NM AMP SCORE, URS, and Transfer Stipend participant. [ENG]

New Mexico Alliance for Minority Participation.

Recent recipient of the Ford Foundation Predoctoral Fellowship and currently has five publications.



Accomplishments: Christopher Torres has a B.S., in Chemical Engineering with a Minor in Mathematics and Chemistry in from the University of New

Mexico. NSF Graduate Research Fellowship Program; GEM Associate Fellow; Sloan Scholar, Alfred P. Sloan Foundation's Minority Ph.D. Program; University of Illinois Graduate College Fellow; University of Illinois Department of Chemical and Biomolecular Engineering- Samuel W. Parr Fellow; and named NM-S-STEM NSF Scholar.

Steven P. Sandoval, Ph.D., Assistant Professor, Klipsch School of Electrical Engineering, New Mexico State University. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Sandoval has authored 25 publications, including 12 publications as First Author.

Accomplishments: Dr. Sandoval earned B.S. and M.S. degrees in Electrical Engineering from New Mexico State University; earned the Ph.D. from Arizona State University. Dr. Sandoval was an



R.A. in the Electrical Engineering Department and worked on advance technologies in speech processing. Sandoval's research resulted in a

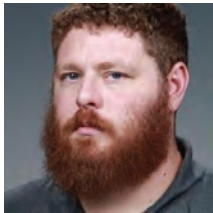
speech coding patent and a published journal paper. Dr. Sandoval participated in NM AMP's Undergraduate Research Scholars (URS) program and was a recipient of the New Mexico Space Grant Fellowship.

Joseph C. Hardin, Ph.D., Computational Scientist/Radar Engineering, Pacific Northwest National Laboratory (PNNL). [ENG]

New Mexico Alliance for Minority Participation.

Dr. Hardin has authored 26 publications, including 8 publications as First Author.

Accomplishments: Dr. Hardin received the Ph.D. from Colorado State University in Fort Collins,



Colorado in Electrical Engineering (2015), an M.S. in Electrical Engineering from New Mexico State University (2010), and B.S. in Electrical Engineering and Mathematics

from New Mexico State University (2007). He served as a Graduate R.A. at Colorado State University and as a Graduate R.A. at New Mexico State University. Dr. Hardin was a NM AMP Undergraduate Research Scholar at New Mexico State University and presented at the NM AMP 2005 Student Research Conference.

Vicente J. Ibarra, Ph.D., Research and Design Engineer, Los Alamos National Laboratory, Los Alamos, NM. [ENG]

New Mexico Alliance for Minority Participation.

B.S. in Electrical Engineering (2010); Ph.D. in Electrical Engineering (2017), both degrees from the New Mexico State University Klipsch School of Engineering.

Accomplishments: Dr. Ibarra's research for New Mexico Alliance for Minority



Interests include electro-magnetics, energy-harvesting, and mixed-signal integrated circuits. He joined Los Alamos National Laboratory in 2017 after working in industry and pursuing his Ph.D.

part-time. Dr. Ibarra has two publications, including one publication as First Author. Dr. Ibarra participated in the Undergraduate Research Scholars program at New Mexico State University.

Jerrad Auxier, Ph.D. Nuclear Engineering, University of Tennessee-Knoxville. R&D Engineer at Los Alamos National Laboratory (LANL). [ENG]

New Mexico Alliance or Minority Participation.

Jerrad Auxier and John Auxier (profiled in this document) are brothers. They began their academic careers at Northern New Mexico College, and both went on to earn a Ph.D. in related areas.

Accomplishments: Dr. Jerrad Auxier earned the A.A.S. from Northern New Mexico College, B.S.,



M.S., and Ph.D. in Nuclear Engineering from the University of Tennessee-Knoxville. He served as the Vice

Chair of the American Nuclear Society, the President of the Student Chapter of the American Nuclear Society; was awarded Best Ambassador for the Dept. of Nuclear/Radiological Engineering. He participated in NM AMP-supported research at

Justin Marcak, Ph.D., Lead Industrial Engineer at Puget Sound Naval Shipyard, Bremerton, Washington. [ENG]

Northern New Mexico College.

New Mexico Alliance for Minority Participation.

Dr. Marcak received from New Mexico State University in Industrial Engineering: the Ph.D. (2015), the M.S. degree (2012), and the B.S. degree (2010).

Accomplishments: Dr. Marcak has worked at



the Puget Sound Naval Shipyard for four years, with the position of Lead Industrial Engineer since July

2018 to the present. Dr. Marcak was awarded the 2009-10 Intel Minority Scholarship. He participated in the New Mexico State University NM AMP Undergraduate Research Scholars and presented at several AMP Student Research Conferences as well as national conferences.

Johnathan Paiz, Ph.D. Commercial Specialist, Inorganics at Sasol. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Paiz worked in the area of Chemical Engineering in the Ph.D. and the M.S programs in Heterogeneous Catalysis, Nanoscience and Microsystems.

Accomplishments: Dr. Paiz earned the Ph.D., with a Minor in Nano Science and Microsystems



Engineering and the B.S. from the University of New Mexico in Chemical Engineering with a second major of Spanish. He attended Universidad de Guadalajara in an Engineering Semester Exchange Program and

also attended the LeRoy Winter School on Electron Microscopy. Johnathan participated in the NM AMP University of New Mexico Bridge to the Doctorate Program.

Jessica Perea Houston, Ph.D., Assistant Professor of Chemical Engineering New Mexico State University (NMSU). [ENG]

New Mexico Alliance for Minority Participation.

Dr. Houston was selected for the National Science Foundation CAREER Award. She has authored 24 publications.

Accomplishments: Dr. Houston was an LSAMP



Bridge to the Doctorate recipient at Texas A&M. She was selected for the Director's Post-doctoral Fellow at Los Alamos National Laboratory; received

the Faculty Fulbright Fellowship; NMSU Early Career Award, the NMSU Outstanding Junior Faculty Award by the Hispanic Faculty/Staff Caucus; was selected as the International Society for Advancement of Cytometry Scholar. Earned B.S., NMSU; M.S. and Ph.D., Texas A&M. Participated in NM AMP in undergraduate years.

Marco Dunwell, Ph.D. Chemical Engineering; teaches at Lincoln High School in Newark, NJ. [ENG] Authored 23 publications.

New Mexico Alliance for Minority Participation.

Dr. Dunwell was mentored by University of Delaware Professor of Chemical and Biomolecular Engineering, Dr. Bingjun Xu, who remarked that Dr. Dunwell was an extraordinary mentee who followed his passion to teach at-risk students, although he received other more prestigious offers.

Accomplishments: Dr. Dunwell made the decision to teach at-risk high school students



because of his passion to help underrepresented students and to give back what he had been given. He holds a B.S., Chemical Engineering, NMSU, and Ph.D., Chemical Engineering,

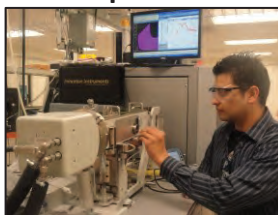
University of Delaware. Dr. Dunwell interned as an undergraduate at Los Alamos National Laboratory.

Jose "Leo" Bañuelos., Ph.D., Professor of Physics University of Texas at El Paso (UTEP). Has authored over 20 publications. [MPS]

New Mexico Alliance for Minority Participation.

Dr. Bañuelos did his Post-Doctoral work at the Geochemistry and Interfacial Sciences Group in the Chemical Sciences Division of Oak Ridge National Laboratory.

Accomplishments: Former Bridge to the



Doctorate Cohort II participant; Post-doctoral work at Oak Ridge Laboratory; Larmor Instrument Specialist at Rutherford Appleton

Laboratory in the UK where he was employed for several years before returning to the U.S. to work as Professor of Physics at UTEP. B.S. and Ph.D. from NMSU.

John. D. Auxier, II, Ph.D., MRSC, New Mexico.
Actinide Analytical Chemist, Los Alamos National Laboratory (LANL) New Mexico. [MPS]

New Mexico Alliance for Minority Participation.

Authored over 28 publications, five patents under review/patent-pending.

Accomplishments: earned A.A.S., Northern New Mexico College; B.S. in Chemistry, Adams State College; and Ph.D., Inorganic and Nuclear Chemistry, U of Tennessee, Knoxville. Awarded the 2019 LANL



Chemistry Division Award, the Research Excellence Award for UTK Nuclear Engineering Department in 2016 and

2018. Team Leader, Actinide Analytical Chemistry, LANL; Joint Professor in the Mechanical, Aerospace/ Biomolecular Dept. at UTK. National Security Complex; Guest Scientist at LANL; Guest Scientist at Oak Ridge.

Ismael Nieto, R&D Scientist, W.R. Grace & Company, (Zachary, Louisiana). Former Research and Technology Chemist III, at Albemarle. Authored 8 Publications. [MPS]

New Mexico Alliance for Minority Participation.

Dr. Nieto served as a Post-Doctoral Research Fellow at the University at Pennsylvania and a Post-Doctoral Researcher at Drexel University.

Accomplishments: Dr. Nieto earned the B.S. in Chemistry from the University of Texas at El Paso in 2002 and the Ph.D. in Chemistry from New Mexico State University in 2009. He was a participant in the Bridge to the Doctorate II



program, and he was the recipient of an Alfred P. Sloan Neurobiology in 2014, the M.S. in Fellowship and a National Institutes of Health Minority Biomedical Research Support (MBRS) Initiative for Scientific Enhancement (RISE) Fellowship.

Belin Tsinnajionnie, Associate Professor and Co-Chair of Mathematics, Santa Fe Community College, Santa Fe, NM. [MPS]

New Mexico Alliance for Minority Participation

Belin Tsinnajionnie served as Assistant Professor at the Institute of American Indian Arts for 8 years.

Accomplishments: Received the B.S. degree in Distributed Mathematics in 2004 from the



University of New Mexico, where he participated in NM AMP; he received the M.S. in Mathematics from the University of Arizona in 2006, and the Ph.D. in Mathematics

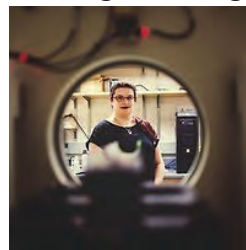
from the University of Arizona in 2018. He served as a Graduate Research Assistant at the University of Arizona for two years.

Rose Perea, Ph.D. Post-Doc Researcher at National Research Council/National Academies of Science, Engineering, Mathematics, and Medicine, Nashville, Tennessee. [MPS]

New Mexico Alliance for Minority Participation.

Dr. Perea is a former NM AMP Bridge to the Doctorate V participant as well as the Fisk-Vanderbilt Ph.D. Bridge Program.

Accomplishments: Rose Chavarria Perea, former Bridge to the Doctorate participant, earned the B.S. Degree in Engineering in 2007, and the M.S.



in Physics in 2010, both from New Mexico State University. She was in the Fisk-Vanderbilt Masters-to-Ph.D. Bridge program at Fisk University to Vanderbilt University, both in

Nashville, TN and earned a Master's in Physics from Fisk University then progressed to earn the Ph.D. from Vanderbilt. She was a CRESST Summer Intern at NASA Goddard Space Flight Center.

Danielle Miranda, Research Protocol Specialist, Mayo Clinic, Scottsdale, AZ. [OTH]

New Mexico Alliance for Minority Participation

Earned the B.S. in Microbiology from New Mexico State University and awarded the Ph.D. in Translational Science at Mayo Clinic, Scottsdale, AZ.



Accomplishments:

Currently works in the Clinical Studies Unit at Mayo Clinic and is involved in multiple clinical studies and also

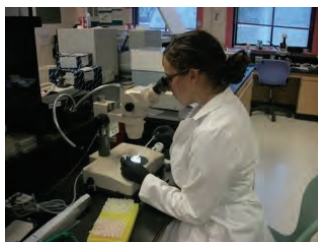
assists physicians with development of their clinical protocols. Former accomplishments: participated in the NM AMP Undergraduate Research Scholars program and the Summer Community College Opportunity for Research Experience (SCCORE); interned at the Fred Hutchinson Cancer Research Center.

Victoria Carpenter earned the Ph.D. from Duke University in the Raleigh-Durham, North Carolina area. [OTH]

New Mexico Alliance for Minority Participation.

Victoria Carpenter, is working on the Doctor of Medicine (M.D.) degree, anticipating a graduation date of 2021 from the University of New Mexico School of Medicine.

Accomplishments: Dr. Carpenter was an R.A. at Duke University where she studied Cellular and



Molecular biology. Dr. Carpenter was formerly a NM AMP URS Scholar and a Howard Hughes Medical Institute Research Scholar. Dr.

Immo Hansen, Professor of Biology at NMSU was her research mentor. She wrote two published articles and presented at two international scientific conferences from her work on yellow-fever mosquitoes.

Chelsea Rodriguez, Pharm D. M.B.A; Pharmacy Resident, University of New Mexico Hospitals, Albuquerque, NM. [OTH]

New Mexico Alliance for Minority Participation.

Dr. Rodriguez received her Doctor of Pharmacy from the University of New Mexico College of Pharmacy & MBA from the University of New Mexico Anderson School of Management.

Accomplishments: Dr. Rodriguez received the B.S. degree in Biology from the New Mexico



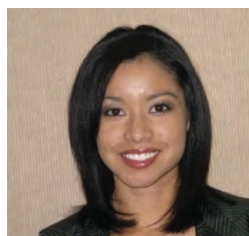
State University and participated as a URS Scholar working with mentor Dr. Giancarlo Lopez-Martinez, Assist. Prof. in the Dept. of Biology. Dr. Rodriguez is a

member of ASHP (Pharmacists Advancing Healthcare), which represents pharmacists, student pharmacists, and pharmacy technicians who serve as patient care providers in acute and ambulatory settings.

New Mexico Alliance for Minority Participation.

Alicia Arguelles Gardner, Pharm-D, ED Pharmacist, Presbyterian Healthcare Services, Rio Rancho, NM. [OTH]

Alicia Arguelles received the Doctor of Pharmacy (Pharm D.) in 2013 from the University of New Mexico Pharmacy School; she was a Bridge to the Doctorate V student at New Mexico State University for the Master's program in Biology, and she earned the B.S. in Biology from University of New Mexico.



Accomplishments:

Currently employed with Presbyterian Healthcare Services. After she earned the PharmD, Dr. Arguelles - Gardner worked as a

Pharmacy Intern at Cardinal Health, at Lovelace Westside Hospital as a Pharmacy Intern/Pharmacist, then a Pharmacist for Lovelace Heath System and Walmart.

Jaminelli Banks, Doctor of Podiatry Medicine, Research Fellow at Phoenix VA Healthcare System, Phoenix AZ. [OTH]

New Mexico Alliance for Minority Participation.

Jaminelli Banks, earned a B.S. in Biology, with a Chemistry Minor, graduating Summa Cum Laude from the University of NM.

Accomplishments: Dr. Banks participated in an internship at the National Institutes of Health (NIH) for two years prior to entering the Temple University School of Podiatric Medicine in Pennsylvania. Dr. Banks research was published in *Molecular Pharmacology and the National Ronald E. McNair Journal*. Dr.



Banks was in NM AMP research program and attended the NM AMP Conference and won First Place for her Oral Presentation. She presented 30 times at various national conferences on her research.

Melanie C. Baca, M.D., Asst. Prof. in the Dept. of Family and Community Medicine at the University of New Mexico (UNM). [OTH]

New Mexico Alliance for Minority Participation.

Dr. Baca completed a residency in Family Medicine at UNM in then went on to complete an Adolescent Medicine Fellowship at UNM.

Accomplishments: Dr. Baca earned the B.S. in Microbiology in 2007 from NMSU. Dr. Baca participated in the NM AMP Undergraduate Research Assistant's (URA) program and presented at the NM AMP Research Conferences. Currently, Dr. Baca sees patients at the Atrisco Heritage Center for Family and Community Health.



She is part of a multi-disciplinary research group conducting a five-year research study entitled "Prevention of Teen Pregnancy through Screening and Brief Intervention in Primary Care." Dr. Baca has a Board Certification in Family Medicine.

Serina R. Padilla, M.D., Clinical Assistant Professor in the Department of Pediatrics, General Pediatrics, at the University of Kansas. [OTH]

New Mexico Alliance for Minority Participation.

Doctor of Medicine, 2014, University of Kansas. Former New Mexico State University NM AMP Undergraduate Research Scholars.

Accomplishments: Listed as First Author on a valuable and significant publication: "Kansas Provider Report of Adolescent Vaccinations in Their Practice." This article focuses on Kansas' pattern of falling below average for adolescent vaccination of meningococcal, human



papillomavirus, and influenza. For this study, the members of Kansas Chapter of the American Academy of Pediatrics were administered a confidential electronic survey soliciting their impressions of vaccination in their practice. Dr. Padilla analyzed and reported on the results, which is helping with awareness of the issue. New Mexico Alliance for Minority Participation.

Marissa N. Martinez Meissner, M.D. Rheumatologist affiliate with Geisinger Medical Center and Geisinger-Bloomsburg Hospital, Danville, PA. [OTH]

Dr. Meissner graduated from the University of Texas School of Medicine in San Antonio, TX.



Accomplishments: Dr. Meissner earned the B.S. in Microbiology in 2007 from New Mexico State University. She was a NM AMP Undergraduate Research Assistant (URA). Medical Certifications: Rheumatology and Internal Medicine from the American Board of Internal Medicine. She has been in the medical specialization area of Rheumatology for over nine years.

Gizelka David-West, M.D., Employed at Westchester Medical Center, NY, where she practices gynecologic oncology and obstetrics. [OTH]

New Mexico Alliance for Minority Participation

Dr. David-West graduated Summa Cum Laude from Eastern New Mexico University with a B.S. degree in Biology and a Minor in Chemistry. She earned the Medical Degree at the University of Miami Miller School of Medicine.

Accomplishments: Dr. David-West completed an internship and residency in obstetrics and gynecology at Mount Sinai School of Medicine, New York. She participated in an internship from New York University Langone Medical Center, New York, where she obtained certification as a robotic surgeon. She has authored ten publications. Participated in the NMSU NM AMP Undergraduate Research Program.



Kelly Upshaw-Bia, Doctor of Veterinary Medicine, Navajo Nation Veterinary and Livestock Program at Tse Bonito Clinic [OTH]

New Mexico Alliance for Minority Participation

Dr. Upshaw-Bia received the Doctor of Veterinary Medicine (DVM) from the Colorado State University Biomedical Sciences and Veterinary Medicine in 2005.

Accomplishments: Dr. Upshaw-Bia received the B.S. degree in Biology & General Studies in 2001 from Highlands University, Las Vegas, NM. Dr. Upshaw-Bia served as a Student Intern at the USDA-APHIS-VS in Fort Collins from 2004-2005 while completing the DVM from Colorado State University. The clinic at which Dr. Upshaw-Bia is employed is part of the Navajo Nation Veterinary Program, established in 1982 to provide low cost, quality veterinary services to the Navajo People.



Nikki Rendon, Ph.D. Senior Medical Writer at Avant Healthcare in Evanston, Illinois. [OTH]

New Mexico Alliance for Minority Participation

Dr. Rendon received the Ph.D. in Evolution, Ecology, and Behavior, with an area Certificate in Animal Behavior. [OTH]

Accomplishments: Dr. Rendon earned the B.S. in Biology, with a Minor in Chemistry from Northern New Mexico College and the M.S. in Biology and Psychology. Dr. Rendon was employed as a Medical Writer at Avant Healthcare in Chicago, Illinois, then as a Biological Researcher at Indiana University in Bloomington, Indiana. She worked as a Business Strategist for Pharmaceuticals and Healthcare at the Kelley School of Business at Indiana University in Bloomington, Indiana, and as an Asst. Instructor at Indiana University—Bloomington. Dr. Rendon participated in the NM AMP URS Program as an undergrad.



Christella Anne Lovato, Pharm D, employed at CVS Pharmacy as Staff Pharmacist, Holman, NM. [OTH]

New Mexico Alliance for Minority Participation

Dr. Lovato received the Doctor of Pharmacy (PharmD.) Nuclear Pharmacy in 2018 from Purdue University, West Lafayette, Indiana.

Accomplishments: Dr. Lovato earned the B.S. degree in Biology in 2012 from Northern New Mexico College in Española, NM. At Northern New Mexico College, she participated in the NM AMP Undergraduate Research Scholars program. At Purdue, she was a member of the Society of Nuclear Pharmacy and the Purdue Student Chapter (2012-Current), as well as a member of the Christian Pharmacists Fellowship International.



Oklahoma Louis Stokes Alliance for Minority Participation Oklahoma

PI: Jason F. Kirksey, Ph.D. jason.kirksey@okstate.edu



Co-PIs:

JC Diaz, Ph.D. – diaz@utulsa.edu

Nicole Colston, Ph.D. – nicole.colston@okstate.edu

Institutional Partners:

Cameron University, Lawton, OK, East Central University, Ada, OK

Langston University, Langston, OK, Northeastern State University, Tahlequah, OK

Northwestern Oklahoma State University, Alva, OK

Oklahoma Panhandle State University, Goodwell, OK

Oklahoma State University (Lead Institution), Stillwater, OK

Southeastern Oklahoma State University, Durant, OK

Southwestern Oklahoma State University, Weatherford, OK

University of Central Oklahoma, Edmond, OK, University of Oklahoma, Norman, OK

University of Tulsa, Tulsa, OK

Ryan Watley, Ph.D. - Organic Chemistry –
University of Oklahoma

(Oklahoma). LSAMP (University of Oklahoma)

CEO of Go Forward Pine Bluff, Pine Bluff, AR
[MPS]



Accomplishments: Dr. Watley holds a doctoral degree in organic chemistry from the University of Oklahoma where he designed and synthesized novel drugs for cancer. Published in high impact journals and he was awarded a United States patent for his drug .development methodology. He has lead citywide efforts to promote UAPB.

Kara Chapman-Kanedy, Ph.D. – Applied
Physics – Texas A&M University

(Oklahoma). OK- LSAMP (East Central University)

Process Engineer, Intel Corporation, Hillsboro,
OR [MPS]



Accomplishments: During her time at Texas A&M University in College Station, Texas, Dr. Kanedy worked using scanning tunneling microscopy (STM) to perform nanoscale analysis of semiconductor materials. Currently she is working as a Process Engineer.

Joseph Dyer, Ph.D. – Oklahoma State University

(Oklahoma). OK-LSAMP (Southeastern Oklahoma State University)

Environmental Specialist and Data Analyst, Oklahoma Conservation Commission, Oklahoma City, OK. [A]



Accomplishments: Dr. Joseph Dyer studied Fisheries Conservation and received a BS in Life Science from Southeastern Oklahoma State University and his Ph.D. in Natural

Resources Management from Oklahoma State University as a BD Fellow. Dr. Dyer was a Robert L. Lochmiller II Endowed Fellow and has seven publications.

Tomica Blocker, Ph.D. and MD - Zoology - Oklahoma State University and University of Kansas Medical Center

(Oklahoma). OK- LSAMP (Langston University)

Resident Physician, Children’s Medical Center Dallas, Dallas, TX [BIO]



Accomplishments: Dr. Blocker received her BS from Langston University, Ph.D. in Zoology, from OSU, where she was an OK-LSAMP BD Fellow, then an NSF Graduate Research Fellow (GRFP). She returned home to Kansas to complete an MD at

the University of Kansas. She has three publications, two were selected for highlight by ScienceDirect and National Geographic.

Donita Boan (Kennedy), DO – Osteopathic Medicine – Oklahoma State University Center for Health Sciences

(Oklahoma). OK-LSAMP (East Central University)

Anesthesiologist – Freeman Health System, Joplin, MO. [BIO]



Accomplishments:

Dr. Boan received a BS in Physics from East Central University. She completed the requirements for a Doctor of Osteopathic medicine OSU Center for Health Sciences and is currently an

anesthesiologist in Joplin, Missouri.

Brandon “Bubba” Brooks, Ph.D. - Plant & Microbial Biology - University of California Berkley

(Oklahoma). OK- LSAMP (Oklahoma State University)

Computational Biologist - Prescient Metabiomics, Carlsbad, CA. [BIO]



Accomplishments:

As an NSF GRFP fellow and UC Berkley Chancellor’s Fellow Dr. Brooks acquired his PhD from UC Berkeley. He studies microbes in the built environment and how they affect the human microbiome, or

the microbes living on and in people. He is currently working with Prescient Metabiomics, focusing on developing non-invasive microbiome test for detection of colon polyps and colorectal cancer. He has over 15 peer reviewed journal publications.

**Nicole Bryant (Parker), Ph.D. - Plant Sciences
- Oklahoma State University**

(Oklahoma). OK- LSAMP (Oklahoma State University)

Adjunct Assistant Professor - Oklahoma State University, Stillwater, OK. [BIO]



Accomplishments:

As a Bridge to the Doctorate Fellow Dr. Bryant received her Ph.D. in Plant Sciences. She is currently a faculty member in the Department of Plant

Biology, Ecology and Evolution at Oklahoma State University. Dr. Bryant has three publications.

**Sidney "Sid" Carter, Ph.D. –
Developmental Biology/Genetics -
Stockholm University**

(Oklahoma). OK-LSAMP (Oklahoma State University)

Research Leader, Massachusetts General Hospital, Boston, MA [BIO]



Accomplishments:

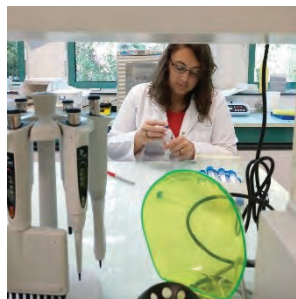
Dr. Carter received his PhD in Developmental Biology/Genetics in Stockholm University. After a Postdoctoral fellowship in

Karolinska Medical Institute he has been in Massachusetts General Hospital where he has continued his research and has five publications.

Ana Chicas-Mosier, Ph.D. - Integrative Biology – Oklahoma State University

(Oklahoma). OK- LSAMP (Oklahoma State University)

Entomology and Plant Pathology Post-Doctoral Fellow, Auburn University, Auburn, AL [BIO]



Accomplishments:

Dr. Chicas-Mosier received her PhD from OSU as a GRFP and BD Fellow. She was an NSF PIRE graduate student mentor in Avignon, France, San Juan,

Puerto Rico and Tekirdag, Turkey. Dr. Chicas-Mosier has mentored numerous undergraduate students, served as Graduate Society for Interdisciplinary Toxicology President for 2 years, presented at 32 scientific conferences including 12 national and 2 international, 5 invited speaker presentations, recipient of over \$250,000 in grants and awards, and 9 years of broader impacts experience focused on under-representation in STEM fields. She has seven publications.

**Steven Harris, Ph.D. - Biochemistry –
University of Oklahoma**

(Oklahoma). OK-LSAMP (Langston University)

Chemistry Faculty, University of Florida, Gainesville, FL [BIO]



Accomplishments:

Dr. Steven Harris received his BS in Chemistry from Langston University and completed his Biochemistry PhD

as a BD Fellow from the OU and was a Fellow in University of North Carolina, Chapel Hill in the Seeding Postdoctoral Innovators in Research Education (SPRIE) program. He is currently a Faculty member in University of Florida.

**Jadith Ziegler, Ph.D. - Cell Biology -
University of Oklahoma Health Sciences**

(Oklahoma). OK-LSAMP (Cameron University)

**Professor of Biology, Oklahoma City
Community College, OKC, OK. [BIO]**



Accomplishments: Dr. Jadith A. Ziegler is from sunny California. She attended Cameron University in Oklahoma and studied Cell Biology. For her Ph.D., Jadith attended the University of Oklahoma Health Sciences Center to study biomedical sciences. Her

research focused on Glioblastomas, brain tumors, in the Pathology department. Jadith now is a Post-Doctoral Research Fellow at OUHSC/Dean McGee Eye Institute and studies corneal stem cells. She is also an Adjunct Professor of Biology at the Oklahoma City Community College.

**Jorge Lightfoot, Ph.D. - Microbiology and
Molecular Genetics - Oklahoma State
University**

(Oklahoma). OK- LSAMP (Oklahoma State University)

**Post-doctoral Associate, University of
Oklahoma Health Sciences Center, OKC, OK**



Accomplishments: Dr. Jorge Lightfoot Jorge Lightfoot graduated from Southern Illinois University Carbondale with a degree in Biology. He received his MS and PhD from Oklahoma State University. His project focused on creating a novel RNA interference mechanism to metabolically engineer the

fungal cell factory *Aspergillus nidulans*. Dr. Lightfoot has three publications.

**Jacob Manjarrez, Ph.D. - Biochemistry and
Molecular Biology - Oklahoma State
University**

(Oklahoma). OK-LSAMP (Oklahoma State University)

**Associate Researcher, Computational
Neuroscience and Adaptive Systems Lab,
University of Tulsa, Tulsa, OK. [BIO]**



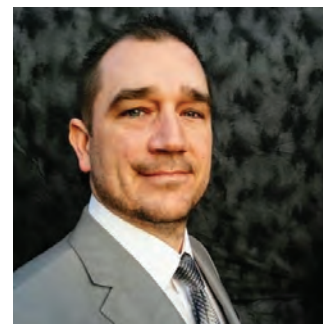
Accomplishments: Dr. Jacob Manjarrez received his BS and PhD from Oklahoma State University in Biochemistry and Molecular biology as part of the first Bridge

to the Doctorate Fellowship at OSU. He is now an Associate Researcher for the University of Tulsa in the Computational Neuroscience and Adaptive Systems Lab. He has nine publications.

**Josh McCloud, Ph.D. - Biological Sciences -
University of Tulsa**

(Oklahoma). OK-LSAMP (University of Tulsa)

**Assistant Professor, Tabor College,
Hillsboro, KS**



Accomplishments: Dr. McCloud was awarded an NSF GRFP Fellowship for his PhD. He was a graduate student mentor in the Science Scholars – Native American Path,

SACNAS. A Chapman Scholar – Distinguished PhD Students Research Assistantship, University of Tulsa, Dissertation Scholar – Southern Regional Education Board (SREB), institutionally funded scholar and has nine publications.

**Abigail Ntneh, Ph.D. – Chemistry -
University of Oklahoma**

(Oklahoma). OK-LSAMP (Southwestern Oklahoma State University)

Associate Professor of Chemistry at Collin College McKinney, TX. [BIO]



Accomplishments:

As a Bridge to the Doctorate Fellow Dr. Ntneh acquired her PhD in 2016 from the University of Oklahoma. She is currently an Associate professor of Chemistry

at Collin College. Currently, she is continuing investigations on the recently discovered triclosan-specific efflux pump TriABC-OpmH of *Pseudomonas aeruginosa*. Dr. Ntneh was awarded the Lloyd E. Swearingen Award and has four publications.

**Lila Peal, Ph.D. - Biochemistry and
Molecular Biology – Oklahoma State
University**

(Oklahoma). OK- LSAMP (Langston University)

**Associate Professor of Chemistry,
Langston University, Langston, OK [BIO]**



Accomplishments:

Dr. Peal acquired her PhD in Biochemistry and Molecular Biology from Oklahoma State University as part of the first Bridge to the Doctorate program. She then went to be a faculty member at Cameron University and has currently returned to

her alma mater Langston University as an Associate Professor of Chemistry.

**Elizabeth Saladin, M.D. - College of
Medicine - Howard University College of
Medicine.**

(Oklahoma). OK-LSAMP (Southwestern Oklahoma State University)

**Physician Family Medicine, Little Axe Health
Center, Absentee Shawnee Tribal Health
System Norman, OK. [BIO]**



Accomplishments:

Dr. Elizabeth Saladin received her BS in Biological Sciences from Southwestern Oklahoma State University. She obtained her MD from Howard University College of Medicine, then returned to

Oklahoma to practice medicine and serve her tribal community as part of the Absentee Shawnee tribal health system.

**David Supeck, D.O. /Ph.D. - DO –
Osteopathic Medicine – Oklahoma State
University Center for Health Sciences**

(Oklahoma). OK-LSAMP (Southwestern Oklahoma State University)

**Resident Physician, St. John Medical Center,
Tulsa, OK. [BIO]**



Accomplishments:

Dr. Supeck finalized his DO/PhD studies and is a Resident Physician in St. John Medical Center in Tulsa. Dr. Supeck was awarded the National

Institutes of Health Intramural Research Training Award, Alfred P Sloan Foundation Scholar, National Science Foundation BD Fellowship, SACNAS Board of Directors Student Member Nominee and was a graduate student mentor in the Science Scholars – Native American Path, SACNAS.

Cammi Valdez, Ph.D. - Biological Chemistry and Molecular Pharmacology - Harvard University

(Oklahoma). OK-LSAMP (Southwestern Oklahoma State University)

Director, McNair Scholars Program & Faculty Member, Biological Sciences Wellesley College, MA [BIO]



Accomplishments: Dr. Valdez received her PhD from Harvard University and was named Assistant Director for Undergraduate Research and Fellowships at Harvard University. Currently, she serves as the

inaugural Director of the Ronald E. McNair Postbaccalaureate Achievement Program at Wellesley College, which provides academic and professional support to first generation, low income, and students of color on their path to STEM graduate education.

Brek Wilkins, Ph.D. - Biomedical Sciences - Cardiovascular Physiology/Nonlinear Dynamics - Oklahoma State University

(Oklahoma). OK- LSAMP (Oklahoma State University)

Chief Operating Officer at Family and Children's Services, Tulsa, OK [BIO]



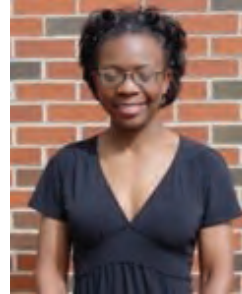
Accomplishments: Dr. Wilkins is the Chief Operating Officer at Family and Children's Services - Women in Recovery and Chief Technology Officer at Ambre Health. There he

oversees the development and commercial implementation of Ambre Health's predictive analytic software technologies. He leads the technical development and explores relevant hidden patterns in large data sets through nonlinear data analysis techniques and deep-learning machine learning processes.

Cristee Wright, Pharm.D. - Pharmacology - University of Oklahoma Health Sciences Center

(Oklahoma). OK-LSAMP (University of Oklahoma)

Pharmacist, CVS, Shreveport, LA [BIO]



Accomplishments:

Dr. Wright completed her MS degree in Microbiology as part of the first BD Cohort in Oklahoma State University. She acquired her Doctorate in Pharmacology from the University of Oklahoma. She currently practices as a CVS Pharmacist in her home state of Louisiana.

Wilmon Brown III, Ph.D. - Educational Technology - Oklahoma State University

(Oklahoma). OK-LSAMP (Oklahoma State University)

Senior Consultant, Desiree Brown Consulting, OKC, OK [EDU]



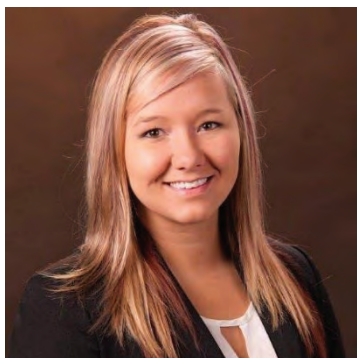
Accomplishments: Dr. Brown completed his PhD in Educational Technology in Oklahoma State University. He currently uses his experience as a research consultant with a demonstrated

history of working in the Information Technology and services industry. Skilled in Data Analytics, Microsoft Excel, and Computer Technology, he has published three peer reviewed journal articles.

**Kristen (Enyart) Young, Pharm.D. -
Pharmacology - University of Oklahoma
Health Sciences Center**

(Oklahoma) OK-LSAMP (Oklahoma State
University)

**Clinical Pharmacist, Indian Health Services
Claremore, OK [BIO]**



Accomplishments:

Dr. Young completed BS Microbiology and Cell & Molecular Biology from Oklahoma State University. She acquired her Doctorate in

Pharmacology from the University of Oklahoma. She is a Clinical Pharmacist currently practicing in a pharmacist managed ambulatory care clinics (CHF, Cardiovascular Risk Reduction, Hepatitis C and Anticoagulation) along with inpatient and outpatient clinical pharmacy duties.

**Linzi (Thompson) Bhatta, MS - Environmental
Engineering - Stanford University**

(Oklahoma) OK-LSAMP (East Central University)

**Environmental Specialist/Field Chemist,
Stericycle, Dallas, TX [BIO]**



Accomplishments:

Ms. Linzi Bhatta completed her two BS degrees in Chemistry and Environmental Health Science from ECU. As an environmental

health intern with the Southeast Alaska Native Health Consortium, she worked in conjunction with the Indian Health Services to promote health for Alaskan natives. In 2018 she completed her MS in Environmental Engineering from Stanford University.

**Shane Morrison, Ph.D. - Environmental
Toxicology - Oklahoma State University**

(Oklahoma) OK-LSAMP (Oklahoma State
University)

**Senior Toxicologist, Michigan Department of
Environment, Great Lakes, and Energy,
Lansing, MI [BIO]**



Accomplishments: Dr.

Morrison is a toxicologist. His current involvement includes vapor intrusion, site specific evaluations, and criteria development.

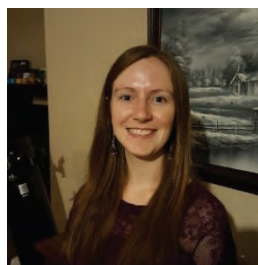
His research lead to collaboration on projects linking environmental fate, exposure, and effects of pesticides, personal care products, munitions constituents and trace metals within several risk assessment frameworks. Through the process of authoring and co-authoring 11 peer-reviewed research articles, he has advanced his skills as a chemist, toxicologist, biologist/ecologist, and mathematician.

**Lydia Meador, Ph.D. - Biological Design-
Arizona State University**

(Oklahoma)OK-LSAMP (Oklahoma State
University)

**Postdoctoral Researcher at University of
Arizona College of Medicine, Phoenix, AZ**

Accomplishments: Dr. Meador is an



immunologist with interests in infectious diseases and vaccines. She developed and tested an HIV vaccine for her doctoral studies using plant-produced HIV virus-like particles and

attenuated, virus vectors. Currently, she studies skin cancer immunology with a focus on CD4 T cells and regulatory T cells.

Brett Cowan, Ph.D. - Civil Engineering - Oklahoma State University

(Oklahoma). OK-LSAMP (Oklahoma State University)

Director, Engineering at Explorer Pipeline, Tulsa, OK [ENG]



Accomplishments: Dr. Cowan spent approximately 15 years in the civil and construction management industry before joining Explorer Pipeline. Brett joined

Explorer Pipeline as a project engineer, and has been providing expertise in construction management to the Project Engineering team within Explorer Pipeline. He has moved up the ranks as Supervisor, Project Engineering and Manager, Project Engineering and currently serves as Director.

Cara Cowan-Watts, Ph.D. - Bio Systems Engineering - Oklahoma State University

(Oklahoma). OK- LSAMP (Oklahoma State University)

CEO, Tulsa Pier Drilling, Tulsa, OK [ENG]

Accomplishments: Dr. Cara Cowan-Watts was Awarded Charles Chibitty Family Community Award by the Greater Tulsa Area Indian Affairs Commission; selected to represent the Cherokee Nation on the Oklahoma Water Resources Board EPA-funded Technical Advisory Group; selected



for the 2010 Oklahoma Federation of Indian Women Helen Cupcho Award as the 'Outstanding American Indian elected official' who promotes and is committed to the

advancement of American Indians across Oklahoma and selected for the 2010 Oklahoma

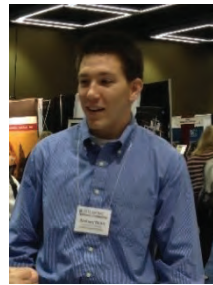
Magazine 40 under 40 representing a diverse group of young professionals who are moving up and giving back.

Zach Dunn, Ph.D. - Electrical and Computer Engineering - University of Oklahoma

(Oklahoma). OK-LSAMP (University of Oklahoma)

Engineer, Raytheon, Dallas, TX [ENG]

Accomplishments: Dr. Dunn completed his PhD in Electrical Engineering as a BD Fellow at the University of Oklahoma. Dr. Dunn has seven



publications and is currently employed with Raytheon in Dallas, Texas.

Paul De La Cerda, MBA - Business Administration - University of Oklahoma

(Oklahoma). OK-LSAMP (Oklahoma State University)

Dean of Academic Affairs, East Los Angeles College, Los Angeles, CA [ENG]



Accomplishments: Paul De La Cerda is current Dean of Academic Affairs in ELA College and is pursuing a doctorate in Education: Organizational Change and Leadership, intended

to complete Dec 2020. Mr. De La Cerda Launched the first incubator of its kind for minorities and women. Has been a Saugus Union School District Board Member for 15 years, was named 2019 NCCHC Fellow and has five publications.

Jacob Henderson, Ph.D. - Engineering - University of Oklahoma

(Oklahoma). OK-LSAMP (University of Oklahoma)

Director of Engineering, Simergent, OKC, OK [ENG]

Accomplishments:

Dr. Henderson completed his PhD in Engineering at the University of Oklahoma. He has published three articles and is currently the Director of Engineering at Simergent in Oklahoma City, OK, a company that develops automated peritoneal dialysis devices for the US and beyond.



Quintin Hughes, Ph.D. - Industrial Engineering - University of Oklahoma

(Oklahoma). OK-LSAMP (Langston University)

Site Facilitator, GEAR UP for the PROMISE, OKC, OK [ENG]



Accomplishments: Dr. Quintin Hughes has served the K20 Center as a GEAR UP for the PROMISE site facilitator with Oklahoma City Public Schools (OKCPS) since 2012. Dr. Hughes works with the faculty

and students of Douglass Mid-High and Northeast Academy, helping them implement GEAR UP for the PROMISE services.

Cody Pinkerman, Ph.D. - Aerospace & Mechanical Engineering - Oklahoma State University

(Oklahoma). OK-LSAMP (Oklahoma State University)

Senior Systems Engineer, Lockheed Martin, Dallas, TX [ENG]

Accomplishments:

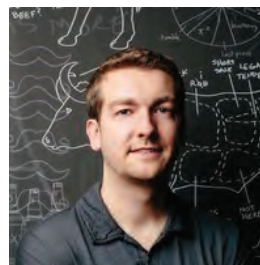
Dr. Pinkerman completed his PhD in Mechanical and Aerospace Engineering as a BD Fellow from Oklahoma State University. He proposed a research endeavor to determine feasibility of avian based theory for detecting thermal updrafts; developed ground based sensor network to record changes in air properties (temperature, static pressure, relative humidity, wind speed and direction) and designed visual interface to display ground sensor data and store results locally.



Steven "Brett" Walker, Ph.D. - Mechanical Engineering - University of Illinois

(Oklahoma). OK-LSAMP (Oklahoma State University)

CEO, Electroninks, Austin, TX [ENG]



Accomplishments:

Dr. Brett Walker obtained his PhD in Mechanical Engineering from University of Illinois. He has six publications. In 2015 he was recognized as one of Forbes 30 under 30. Dr. Walker is

Co-founder and CEO of Electroninks, a company that is revolutionizing the way electronics is taught in school. They created Circuit Scribe - a pen that will write conductive ink.

Daniel H. Wilson, Ph.D. - Robotics – Carnegie Mellon University

(Oklahoma). OK- LSAMP (Tulsa University)

Novelist, Portland, OR [ENG]



Accomplishments:

Dr. Wilson earned a Ph.D. in Robotics from Carnegie Mellon University, and Master's degrees in Machine Learning and Robotics. He has published over a dozen scientific papers and holds

four patents. He is a contributing editor to Popular Mechanics magazine and the author of numerous science fiction books including several whose movie rights have been purchased. He has had his own TV show, The Works, and is working on a project for Nickelodeon. He is the author of the New York Times bestselling *Robocalypse* and its sequel *Robogenesis*, *How to Survive a Robot Uprising*, *The Clockwork Dynasty* and *Amped*.

Lauren Miller-Simkins, Ph.D. - Geology – University of California Santa Barbara

(Oklahoma). OK- LSAMP (Oklahoma State University)

Assistant Professor, University of Virginia, Charlottesville, VA [GEO]



Accomplishments:

Dr. Miller-Simkins is a Geologist and studies the behavior of deglaciation from about 30000 years ago to the present in order to help constrain models

of future sea-level change. Some of her awards and honors include: Coastal Geological Society Scholarship Award; UCSB 2013-2014 NSF LSAMP BD, UCSB 2010-2012 and NASA Oklahoma Space Grant Fellowship. She has sixteen publications in peer reviewed journals. Currently she is an Assistant Professor in Environmental Sciences at the University of Virginia.

BJ Bench, Ph.D. - Chemistry - Texas A&M University

(Oklahoma). OK- LSAMP (Southeastern Oklahoma State University)

Director of food safety/quality assurance. Tyson Foods Ingredient Solutions Group Lab, Springdale, AR [MPS]



Accomplishments:

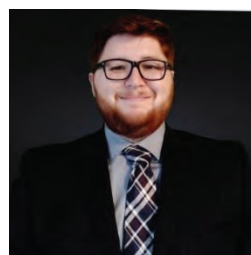
As an NSF BD fellow at Texas A&M University he acquired his Ph.D. in Chemistry. Dr. Bench's responsibilities include direct oversight of all Tyson Foods' poultry animal

edible ingredients including rendered meals and fats, wet pet (ground chicken and hearts/livers), nutraceuticals, palatants, flavorings and animal feed blends. He was an NIH Minority Biomedical Research Fellow and was awarded the Fellowship of a NIH grant for the Chemistry/Biology Interface Training Program. He has eleven peer reviewed publications, a book chapter, and numerous presentation awards.

Eric Butson, Ph.D. – Chemistry - Oklahoma State University

(Oklahoma). OK- LSAMP (Northeastern State University)

Assistant Professor of Chemistry. Tulsa Community College, Tulsa, OK [MPS]



Accomplishments:

Dr. Butson is currently working on determining the mechanical and electronic properties of cobalt-doped zinc oxide, as a function of doping concentration, using

density functional theory. He has four publications. Currently Dr. Butson is an adjunct faculty instructor at Tulsa Community College Southeast Campus, where he teaches general chemistry I and II, and at Northeastern State University in Broken Arrow, where he is teaching the physical chemistry lab.

Cortes Williams III, Ph.D. – Bioengineering and Biomedical Engineering - University of Oklahoma

(Oklahoma). OK- LSAMP (University of Oklahoma)

Research Scientist, Biomaterials. NAMRU-SA, San Antonio, TX [MPS]



Accomplishments:

Dr. Williams's research interests throughout his graduate career included perfusion bioreactors for bone tissue and tumor engineering, computational fluid

dynamic modeling, and biomaterial fabrication. Dr. Williams has three papers published in peer reviewed journals. He is a Research Scientist in Biomaterials at the Naval Medical Research Unit San Antonio, one of the leading research and development laboratories of the U.S. Navy under the Department of Defense.

Heather Hannah, Ph.D. - Mathematics – University of Notre Dame

(Oklahoma). OK- LSAMP (East Central University)

Assistant Professor of Math, East Central University, Ada, OK [MPS]



Accomplishments:

Dr. Heather was part of EDGE (Enhancing Diversity in Graduate Education): A Mathematics Program for Women—sponsored in part by the National Science

Foundation while at the University of Notre Dame. In 2007, she received her PhD and returned to ECU as an Assistant Professor. She is the advisor/mentor for the ECU Math Club as well as a McNair Mentor and a Project NEXT (New Experiences in Teaching) Fellow sponsored by the Mathematical Association of America (MAA). Dr. Heather has three peer reviewed publications.

Jeremy Harrison, M.D. – Duke University

(Oklahoma). OK- LSAMP (East Central University)

Psychiatrist/ General Psychiatry, Addiction Greensboro, NC [MPS]



Accomplishments: Dr. Harrison received his BS degree in Physics from East Central University, his MS degree in psychology from Emory University and an M.D. from

Duke University. Currently, Dr. Harrison is a practicing psychiatrist in North Carolina.

RaiAnna Arcscott-Hopson, Ph.D. - Chemistry - Oklahoma State University

(Oklahoma). OK-LSAMP (Oklahoma State University)

Associate Scientist, AMVAC Chemical Corporation, Mobile, AL [MPS]



Accomplishments:

Dr. Arcscott-Hopson is an active member of the American Chemical Society and the National Organization for the Professional Advancement of Black Chemists and

Chemical Engineers. She earned her PhD in chemistry at Oklahoma State University. During her time at OSU, she was an NSF BD Fellow and Skinner Fellow and was awarded the Walt Kolb Scholarship. She has published three research papers and has over 17 honors and awards. Dr. Arcscott-Hopson was awarded the National Research Council Research Associateship, and she served as a fellow with the United States Air Force. She is currently employed as a scientist for a major agricultural company near Mobile, Alabama.

Ryan Johnson, Ph.D. - Chemistry - Louisiana State University

(Oklahoma). OK- LSAMP (Langston University)

**Assistant Professor of Chemistry.
Southwestern Oklahoma State University,
Weatherford, OK [MPS]**



Accomplishments:

Dr. Johnson graduated last year from Louisiana State University and was welcomed to SWOSU as a new professor last August, 2019. He has three peer reviewed publications including *Highly active cationic cobalt (II) hydroformylation catalysts*

published in Science.

Lorne D. Jordan, Ph.D. – Chemistry and Biochemistry – Kansas State University

(Oklahoma). OK- LSAMP (University of Oklahoma)

**Process Development Research Scientist.
Ventria Bioscience, Junction City, KS**



Accomplishments:

After receiving his Ph.D. from KSU Dr. Lorne Jordan became a postdoctoral researcher at the University of Kansas working in Dr. Lynn Hancock's

laboratory in the Department of Molecular Biosciences. He then joined Haskell Indian Nations University as an Adjunct Professor. Dr. Jordan has a total of five publications. Currently he works as a Process Development Research Scientist at Ventria Bioscience. Ventria Bioscience's internal therapeutic pipeline is focused on safely improving clinical outcomes in infectious disease and inflammatory disease.

Jennifer McLoud-Mann, Ph.D. - Mathematics - University of Kansas

(Oklahoma). OK- LSAMP (East Central University)

**Division Chair & Professor of Mathematics.
UW Bothell, Bothell, WA [MPS]**



Accomplishments:

Dr. McLoud joined the UW Bothell faculty in 2013 as a tenured associate professor. Prior to joining, she worked

at the University of Texas at Tyler. At UT Tyler, she gained experience as a tenure-track faculty and served as the Associate Dean of the College of Arts & Sciences. Her current research interests include various areas in discrete mathematics including knot theory, tiling theory, and combinatorics. She is the principal investigator on a NSF REU grant, the first NSF REU site at UW Bothell. In 2015, a tiling theory research result after 30 years was the discovery of the 15th pentagon to tile the plane.

Tennessee Louis Stokes Alliance for Minority Participation

Tennessee

PI: Dr. Alisa Mosley amosley@tnstate.edu

Co-PI:

Dr. Lonnie Sharpe, Jr. sharpe@coe.tsuniv.edu



Institutional Partners:

Fisk University, LeMoyne-Owen College, Middle Tennessee State University, Nashville State Community College, Southwest Tennessee Community College, Tennessee State University, Tennessee Technological University, University of Memphis, University of Tennessee-Knoxville, Vanderbilt University.

Porsha Gibbs, Ph.D.

(Tennessee) Tennessee LSAMP (The University of Memphis)

Adjunct Professor Loewenberg College of Nursing [OTH]



Accomplishments: Recipient of Robert Wood Johnson New Careers in Nursing Scholarship, University of Tennessee Health Science Center (UTHSC) Chancellor's Diversity Scholarship, UTHSC Black Student Association Outstanding

Academic Performance and Community Service Award, UTHSC Student Service Award, and UTHSC College of Nursing Alumni Award. She is a member of numerous organizations including the Tennessee Association for Student Nurses as a member of the Board of Directors.

Stefan Nwandu-Vincent, Ph.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville)
[ENG]

Stefan participated as a TLSAMP scholar at the University of Tennessee, Knoxville from 2006 until graduation in 2011.



He was very active in NSBE, PEER, and interned at Kimberly Clark. Stefan graduated with a Ph.D. in Biomedical Engineering at the University of Tennessee, Knoxville in 2014 and is currently working as lead design engineer at Cadence Design Systems.

Chatoria Kent Franklin, Ph.D.

(Tennessee) Tennessee LSAMP (Middle Tennessee State University)

Adjunct Professor at Motlow State Community College, Nashville, TN. [EDU]



Accomplishments: 2019 participant / presenter in the Tennessee Department of Education grant-funded Project IMPACT which helps teachers improve K-8 math instruction through risk-taking. Tennessee Educators from several from other

counties within the state attended the conference as well. Chatoria has also served as both a Science Content Specialist and Science Instructional Coach with Teach For America since 2016.

Tamara Augustine, M.D.

(Tennessee) Tennessee LSAMP (Middle Tennessee State University).



Currently serves as an Emergency Room Physician at Mount Sinai-Grace Hospital in Detroit. **Accomplishments:** American Board of Emergency Medicine Certification in Emergency Medicine; Participant in the Child Health International

in Mexico Emergency Medicine; Fellow with Chinle Comprehensive Healthcare Facility in Chinle, Arizona and Zanmi Lasante in Haiti. 2019 Areas of Interest: Global health and healthcare equity advancement of EM in developing countries.

Joseph Adjei Boachie, M.D.

(Tennessee) Tennessee LSAMP (Middle Tennessee State University).



General Surgery PGY-3, State University of New York, Downstate University of Minnesota Medical School.

Accomplishments: University of Illinois at Chicago College of Medicine, MD; CPT USAR Army Medical Corp. United

States Army Reserve, AMEDD Professional Management Command (APMC); PUBLICATIONS: Boachie JA, Jaffe L, Goldkind A, Jeng EI, Iglesias IM, Smith-Singares E. Fusobacterium Necrotizing Fasciitis of the Lower Extremity presenting as Compartment Syndrome: First

case report. J Med Case Rep. 2017 Nov 28; 11(1):332. doi: 10.1186/s13256-017-1493-y; Acute Cardiopulmonary Resuscitation in Trauma- Is there a role for Trans-esophageal Echocardiogram (2019).

Danielle Terrell, M.D., MPH

(Tennessee) Tennessee LSAMP (Middle Tennessee State University).



Neurological Surgery Resident, Shreveport, LA

Accomplishments: Magis Award Winner, Jack and Joan Mullins Scholarship award, Barbaro Scholarship award, PUBLICATIONS: Access to Care: Measuring Low-Income Adult Access

to Medical Specialists Based on Physician Reports: Various other publications surrounding women in neurosurgery, surgical re-vascularization for sickle cell patients with moya-moya syndrome, neuro-oncology.

Letimicia S. Fears, Ph.D.

(Tennessee) Tennessee LSAMP (Middle Tennessee State University)

Postdoctoral Fellow in the Center for Science Outreach/Department of Teaching and Learning at Vanderbilt University, Nashville, TN [BIO]



Accomplishments: 2019 Presenter at Disruptive Women Lead, hosted by The Wondry at Vanderbilt University, focusing on strategies to prepare women of color in the Vanderbilt community for leadership on and off-campus. Recipient of

the Vanderbilt University / Peabody College Teaching Fellowship to explore the effectiveness of the Phenomenon Based Learning (PhenoBL) method in a classroom with a high English Language Learner (ELL) population through design, co-teaching, data collection and assessment; PUBLICATIONS: Fears, L.S., Curtis, M.E., Johnson, T.L., Fentress, H.M. "Pharmacological Properties of Chromobacterium violaceum Violacein at the Human Serotonin 2C Receptor". EC Pharmacology and Toxicology 7.2 (2019): 103-111.

Christopher C. Jett, Ph.D.

(Tennessee) Tennessee LSAMP (Tennessee State University)

Associate Professor, Georgia [MPS]



Accomplishments: 2019 Presidential Early Career Award for Scientists and Engineers (PECASE); 2019 Early Career Award from the Association of Mathematics Teacher Educators (AMTE); National Science

Foundation (NSF) CAREER Awardee (2016–2021); Mathematically Gifted and Black Honoree (2020); Co-Editor of Critical Race Theory in Mathematics Education (Routledge, 2019); 20 articles along with other ancillary publications.

Tamara J. Martin, Ph.D.

(Tennessee)Tennessee LSAMP (Tennessee State University)

Project Coordinator (Project Management Academy) at Covance, Lab Corp, Nashville, TN [BIO]



Accomplishments: Graduated from TSU with a PhD in the fall of 2018. This was followed by a post-doctoral fellowship at Meharry Medical College. Presented at multiple conferences including ASBMB (ASPET), American

Chemistry Society (Toxicology), TLSAMP, and the TN State Capital conferences/seminars. Also, selected at a PhD fellow in the POTUS program at TSU underneath Title III. Currently, has five publication in peer reviewed journals such as Journal of Applied Toxicology, Archives of Toxicology, and Journal of Immunotoxicology. Member of Delta Sigma Theta Sorority, Inc., Beta Kappa Chi Scientific Honor Society, The National Honor Society of Phi Kappa Phi, The American Chemistry Society (Toxicology), The America Society for Biochemistry and American Biology.

Victor Roland II, Ph.D.

(Tennessee). Tennessee LSAMP (Tennessee State University)

Hydrologist with the U.S. Geological Survey Lower Mississippi-Gulf Water Science Center [ENG]

Regional Education Board Doctoral Fellowship, Former



President of National Association of Black Geoscientists (University of Arkansas-Fayetteville), recipient of Van Brahana Award of Excellence, recipient of Helen Barrett Award for graduate research, publication of

three water quality models and interactive web mapping tool for the Southeast United States.

Roneisha Worthy, Ph.D.

(Tennessee) Tennessee LSAMP (Tennessee State University)

Associate Professor of Environmental Engineering, Marietta, GA [ENG]



Accomplishments: Currently Chair-Elect of the National Society of Black Engineers and Associate Professor at Kennesaw State University, Marietta, GA. The first African American recipient of the

Ph.D. Degree in Environmental Management Studies at Vanderbilt University, Gates Millennium Scholar, Dwight D. Eisenhower Transportation Fellow, Outstanding Contribution Diversity Award, over 10+ publications in peer-reviewed engineering, educational and social science journal.

James Tyus, Ph.D.

(Tennessee) Tennessee LSAMP (Tennessee State University)
Global Technical Manager at BioResource International, Inc., Research Triangle Park, NC [A, BIO]



Accomplishments: NSF Graduate Teaching Fellow, AAAS Science and Technology Policy Fellow, Former Ag Policy Advisor at the US House of Representatives, Former National Student Director of the Poultry Science Association, Current

member of the NC Science Fair Foundation Board of Directors, Current member of the AFIA Nutrition Committee, 11 peer-reviewed journal articles and 24 abstracts, 6 US and 9 international invited lectures, 12 competitive top honors and awards for research, Directed \$1.15M in R&D and Regulatory research within first 5 years of professional career.

Gary Kelley Ph.D.

(Tennessee) Tennessee LSAMP (Tennessee State University)
Product Sales Specialist for Genomics and Protein Biology in North and South Carolina [A, BIO]



Dr. Kelly received his doctorate in Biological Sciences with a concentration in Agricultural Biotechnology and Molecular Biology from Tennessee State University. **Accomplishments:** NSF Graduate Fellowship, Scientist in the Classroom Graduate Fellow, 4 Outstanding Sales Specialist Awards, Scientific Consumables High Impact

Performer Award, 5 Publications in Journal of Animal Science and Genetics Research, Certified Laboratory Animal Technician

Marcella D. Carnes, Ph.D.

(Tennessee) Tennessee LSAMP (Tennessee State University)
Structural Engineer, Alabama Department of Transportation in Montgomery, AL [ENG]



Accomplishments: Obtained her undergraduate degree at Tennessee State University in Architectural Engineering and her graduate degrees (both Master’s and PhD) at Florida A&M University in Civil Engineering. During her

Masters, she studied “Progressive Failure Mitigation” of steel- framed structures and her doctoral studies consisted of examining the “Width Effect of Multiple Strips on the de-bonding of FRP- Concrete Interface”. Through her matriculation in school, she was awarded the Title III Fellowship and the Transportation Research Board Minority Fellowship. She was also afforded the opportunity to become a DREAM (Diversity in Research and Engineering of Advanced Materials) fellow and study abroad to Poland for six weeks. She published “The effect of materials and surface preparation on joining methods: A Review” in the Journal of Reinforced Plastics and Composites and is awaiting the publication of her dissertation. She is a member of NSBE and ASCE.

Lyril M. Chism, Ph.D.

(Tennessee) Tennessee LSAMP (The University of Memphis)



United States Department of Defense Applied Research Mathematician [MPS]

Accomplishments: Recipient of the Gates Millennium Scholarship, National Urban League Scholarship, the NSF GAANN fellowship, the Southern Regional Educational Board, the

Alliance for Graduate Education and the Professoriate and the Alliance for Graduate Education in Mississippi has honored her for her research. She volunteers at summer camps, local schools, colleges and organizations such as Big Brothers Big Sisters.

Martene Stanberry, Ph.D.

Associate Professor of Mathematics
(Tennessee) Tennessee LSAMP (Tennessee State University)

Tennessee State University, Nashville, TN [MPS]



Accomplishments: Dr. Stanberry received her doctorate in Applied Mathematics from North Carolina State University. Fellowships/Internships: Tennessee Board of Regents Research Academy Fellow 2011-2012, National Physical

Science Consortium Fellow 2005-2010; Awards and Honors: Tennessee Board of Regents High Impact Practice Academic Mindset Faculty Learning Community Summa Cum Laude Honor 2017-2018, Tennessee State University Research and Sponsored Programs Million Dollar Club Inductee 2016, American Society for Engineering Education: Engineering Academic Leadership Academy 2012 Number of Publications: 6 Dr. Stanberry has served as the PI or Co-PI on five grants totaling almost 1.4 million dollars, and all of them have impacted underrepresented minority students.

Timothy Yokley, Jr., Ph.D.

(Tennessee) Tennessee LSAMP (The University of Memphis)

Ohio State University Presidential Postdoctoral Scholar Program [MPS]



Accomplishments: He completed his PhD program focusing on the interface of organic and inorganic chemistry through investigation into designing transition metal-based catalysts to store, capture, and convert greenhouse gases (i.e. carbon dioxide) into a usable

form to reduce emissions produced by the burning of fossil fuels. His postdoctoral research continues to concentrate on developing transition metal-based catalysts to transform small molecules into sustainable, renewable, and “green” energy.

Andre Stevenson, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Combination Products Platform Technologist - W.L. Gore & Associates [ENG]

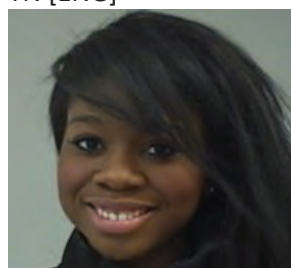


Accomplishments: Andre Stevenson received his Bachelor of Engineering degree from Vanderbilt University in 2012 and went on to achieve a Ph.D. in Materials Science and Engineering from Virginia

Tech University in 2018. He is currently a Combination Products Platform Technologist at W.L. Gore and Associates.

Charreau Bell, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Senior Data Scientist - Vanderbilt University, Nashville, TN [ENG]



Accomplishments: Charreau Bell received her Bachelor of Engineering from Clemson University in 2011 and earned two Master of Engineering degrees from Vanderbilt University in 2014 and 2016. In 2018, Charreau

achieved her Ph.D. in Electrical and Electronics Engineering from Vanderbilt University where she is now a Senior Data Scientist.

Erica Bozeman, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Senior Scientist, The Janssen Pharmaceutical Companies [BIO]



Accomplishments: After receiving her Bachelor of Engineering degree from Vanderbilt University in 2007, Erica Bozeman went on to achieve her Ph.D. in Immunology and Molecular Pathogenesis from Emory University in 2013. She is

now a Senior Scientist of Immuno-oncology (CAR-T) at The Janssen Pharmaceutical Companies of Johnson & Johnson.

Imade Imasuen, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Postdoctoral Research Fellow – National Cancer
Institute [BIO]



Accomplishments:

After receiving her Bachelor of Arts degree from Vanderbilt University in 2012, Imade Imasuen went on to achieve her Ph.D. in Pancreatic Cancer from Indiana University School of Medicine in 2019. She is

now a Postdoctoral Research Fellow at the National Cancer Institute.

Jessica Haley, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Advanced Research Reservoir Engineer, ExxonMobil
[ENG]



Accomplishments: After receiving her Bachelor of Engineering degree from Vanderbilt University in 2010, Jessica Haley went on to achieve her Master's degree in Environmental Engineering and

Ph.D. in Chemical and Biomolecular Engineering from Vanderbilt University in 2010 and 2015. She is now an Advanced Research Reservoir Engineer at ExxonMobil.

John Fonge, M.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Attending Physician - University of Illinois College of
Medicine Peoria, IL



Accomplishments: After receiving his Bachelor of Engineering degree from Vanderbilt University in 2008, John Fonge went on to achieve his M.D. from Ross University School of Medicine in 2014. He is

currently an Attending Physician at University of Illinois College of Medicine Peoria.

Kia Jones, M.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Otolaryngologist - Community Physician Network



Accomplishments: After receiving her Bachelor of Engineering degree from Vanderbilt University in 2006, Kia Jones went on to achieve her M.D. from Wayne State University School of Medicine in 2010. She is currently an

otolaryngologist with the Community Physician Network.

Michael K. Poku, M.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Medical Director - Signify Health



Accomplishments: Michael earned his Bachelor of Science degree in 2009 from Vanderbilt University and went on to earn an M.B.A. from Harvard Business School in 2014 and

an M.D. from Vanderbilt University School of Medicine in 2015. He is currently the Medical Director of Signify Health.

Marc Panu, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Consultant and Sustainability Advocate, Boston
Consulting Group, MA [ENG]



Accomplishments: After receiving his Bachelor of Engineering degree from Vanderbilt University in 2014, Marc Panu went on to achieve his Master's degree in Chemical Engineering and Ph.D. in Chemical Engineering

from Texan A&M University in 2019. He is now a consultant and sustainability advocate with Boston Consulting Group.

Nikolas A. Nordendale, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Manager of Structural Systems - The Aerospace Corporation [ENG]



Accomplishments: Nikolas Nordendale received a BE and MS in Civil Engineering from Vanderbilt University. He was an outstanding member of the TLSAMP program. He currently works as a Manager of Structural Systems with The Aerospace Corporation.

Tracy Holmes, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Senior Commercial Development Manager – Abcam [ENG]



Accomplishments: Tracy Holmes graduated from Vanderbilt University with a degree in Chemical Engineering in 2005. He then earned a Master's degree in Medicine and Ph.D. in Chemical Engineering at Stanford

University in 2012. Tracy is currently a Senior Commercial Development Manager at Abcam.

Paul A. Sparks, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
[ENG]



Accomplishments: Paul Sparks received his Bachelor of Engineering degree from Vanderbilt University in 2008 followed by a Master's degree in Civil Engineering in 2011 and a Ph.D. in Computational Mechanics in 2015.

Rachel E. Harsley, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Software Engineer – Google [ENG]



Accomplishments: After receiving her Bachelor of Science degree from Vanderbilt University in 2011, Rachel Harsley went on to achieve her Ph.D. from University of Illinois at Chicago in 2017 and she is currently a Software Engineer at Google.

Theodore Malik Russell, Ph.D.

(Tennessee) Tennessee-LSAMP (Vanderbilt University)
Ergonomist & Digital Product Specialist – Target [ENG]



Accomplishments: Theodore Russell graduated from Vanderbilt University in 2015 with a Bachelor of Engineering degree in Mechanical Engineering, Engineering Management, and Chinese Language and

Culture. Theodore completed his graduate work at University of Minnesota earning his Master of Science degree in 2017 and a Ph.D. in Human Factors and Ergonomics in 2019. He is currently an Ergonomist and Digital Product Specialist for Target.

Justin D. Glenn, Ph.D.

(Tennessee) Tennessee LSAMP (Vanderbilt University)
Target Discovery Scientist - REGENXBIO Inc. [BIO]



Accomplishments: Justin Glen received his Bachelor of Engineering degree from Vanderbilt University in 2009 and went on to achieve a Ph.D. in Cellular and Molecular Medicine from Johns Hopkins University School of Medicine in 2014. He is

currently a Target Discovery Scientist for REGENXBIO Inc.

Brittany N Boyd, DNP, FNP-C

(Tennessee) Tennessee LSAMP (LeMoyne-Owen College)

Family Nurse Practitioner and Clinical Manager at Health First Family Care, PC in Memphis, TN



Accomplishments: University of Tennessee Health Science Center Diversity Scholar, Sigma Theta Tau International Honor Society of Nursing, 2 Research Publications

Amber Johnson, Ph.D.

(Tennessee) Tennessee LSAMP (LeMoyne-Owen College)

Software Engineer at Northrop Grumman, Columbia, MD [ENG]



Accomplishments: The first African American female recipient of the Ph.D. Degree in Computer Science at Purdue University in Lafayette, Indiana, National Physical Science Consortium Fellow, BRIGHT-CS Mentor, Girls Who Code Instructor, Black Girls Rock Tech Instructor, Louis Stokes

Mississippi Alliance for Minority Participation (LSMAMP) Bridge to the Doctorate Fellow, Founder of "The Kidult Life

Nickyla Alliove, M.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville) Chemical Engineering



Nickyla participated as TLSAMP scholar at the University of Tennessee, Knoxville from 2003 until graduation in 2008. She was very active in National Society of Black Engineers (NSBE). Nickyla graduated with M.D. at the University of

Louisville in 2012 and currently working as Attending Physician of Obstetrics & Gynecology.

Jamie Anderson-Porter, Ph.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville) The Johns Hopkins University [ENG]

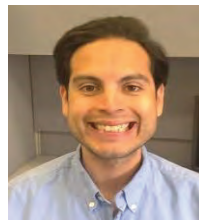


Jamie participated as TLSAMP scholar at the University of Tennessee, Knoxville from 2004 until graduation in 2008. Jamie presented her research at the TLSAMP Undergraduate Research Conference 2008. She was very

active in National Society of Black Engineers (NSBE). Jamie graduated with Ph.D. in Nuclear Engineering at the University of Tennessee, Knoxville in 2012 and currently working at The Johns Hopkins University Applied Physics Laboratory.

Luis Castellanos, Ph.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville) Maintenance Planner, Pepsi Beverages Company, Nashville, TN [ENG]



Luis participated as TLSAMP scholar at the University of Tennessee, Knoxville from 2008 until graduation in 2012. Luis very active in Engineering Diversity Programs serving as a counselor for both pre-college/bridge summer programs

and academic tutor. Currently, he serves as a Maintenance Planner at Pepsi Beverages Company Located in Nashville, TN. Luis graduated with Ph.D. in Nuclear Engineering at the University of Tennessee, Knoxville in 2018 and currently working at Consolidated Nuclear Security, LLC as a Core Engineer.

Hillary Ashley Holback, Ph.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville) Chemical Engineering [ENG]



Hillary participated as a TLSAMP scholar at the University of Tennessee, Knoxville from 2003 until graduation in 2008. She was very active in NSBE. Hilary graduated with Ph.D. in Industrial & Physical Pharmacy and

currently working for Regulatory & Scientific Role in Regulatory Affairs.

Honest Mrema, Ph.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville)



Aerospace Engineering [ENG]
Honest participated as a TLSAMP scholar at the University of Tennessee, Knoxville from 2009 until graduation in 2012.

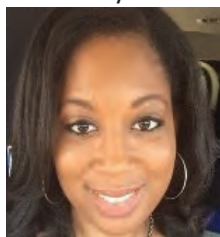
He was very active in NSBE and Engineering Diversity Programs.

Honest graduated with a Ph.D. in Aerospace Engineering at the University of Minnesota-Twin Cities in 2018.

Karmen McPherson, M.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville)

Karmen participated as TLSAMP scholar at the University of Tennessee, Knoxville from 2006 until

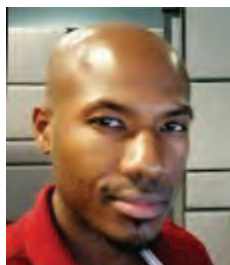


graduation in 2010. She was very active in National Society of Black Engineers (NSBE). Karmen graduated with M.D. at the University of Tennessee Health Science Center in 2015.

Terence Randall, Ph.D.

(Tennessee) Tennessee LSAMP (UT-Knoxville)

Lead Design Engineer, Cadence Design Systems [ENG]



James Fells, Ph.D.

(Tennessee) Tennessee LSAMP (The University of Memphis)



Merck Computational Research Chemist [MPS]

Accomplishments: As a computational chemist at Merck & Co., he applies structure-based and ligand-based drug design along with predictive modeling to advance drug discovery projects.

He is a contributor to four Merck &

Co. preclinical candidates: MK-4710, MK-4334, MK-1167, & K-1942. He published 23 publications (six 1st author), is a recipient of the American Cancer Society Postdoctoral Fellowship, the American Heart Association Predoctoral Fellowship, the FASEB Postdoctoral Professional Development & Enrichment Award, and the Office of Research Integrity Postdoctoral Scholar Research Integrity Ambassador Award.



Florida – Georgia Louis Stokes Alliance for Minority Participation

Florida

PI: Richard Alo, Ph.D. Richard.alo@fam.u.edu

Project Director: J. Byron Greene Byron.greene@fam.u.edu

Institutional Partners:

Florida A&M University (Lead), Albany State Univ., Bethune-Cookman Univ., Florida Gulf Coast Univ., Florida International Univ., Florida Memorial Univ., Florida State College-Jax., Florida State Univ., Miami-Dade College, Tallahassee Community College, Univ. of Central Florida, Univ. of Florida, Univ. of Miami, Univ. of South Florida



Kathryn Bailey, Ph.D.,
Research Microbiologist

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Research Microbiologist at Synata Bio



Accomplishments: Postdoctoral Researcher, Oak Ridge National Laboratory; GEM Fellowship and Graduate Student Researcher (Pacific Northwest National Lab - PNNL); Graduate Student

Researcher, Brookhaven National Lab - BNL; USF Graduate Student Success Fellowship; USF Sloan Foundation Minority Graduate Scholarship; NSF Florida-Georgia LSAMP Bridge to the Doctorate Fellowship (USF).

Natasha Cover-Samuels, Ph.D.
Research Scientist

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Raw Material Scientist at Johnson & Johnson



Accomplishments: Processing Scientist, Johnson & Johnson; Invited Panelist, Institute on Teaching and Mentoring; GEM Fellowship (Johnson & Johnson); Sloan Foundation Minority

Graduate Scholarship; McKnight Doctoral Fellowship; NSF FGLSAMP Bridge to the Doctorate Fellowship; 1 Publication; 1 Patent.

Tamina Johnson-Jeffers, Ph.D.
Senior Scientist

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Senior Scientist, Upstream Process
Development at WuXi Biologics



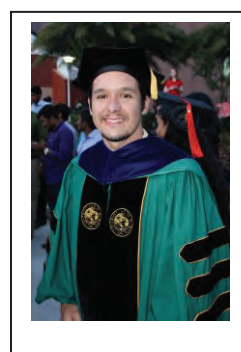
Accomplishments: Process Development Scientist; Amgen; Served as Intellectual Property Intern to assess the commercial potential of USF research; McKnight Dissertation Fellowship Award; Sloan

Foundation Minority Graduate Scholarship; NSF FGLSAMP Bridge to the Doctorate Fellowship.

Eloy Martinez, Ph.D.
Assistant Professor, Biological Sciences

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Assistant Professor, Biological Sciences
Department, Eastern Illinois University



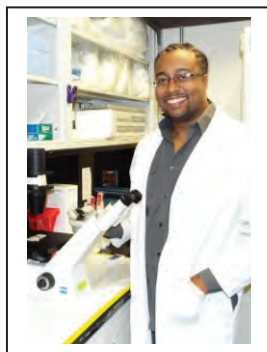
Accomplishments: Management officer III, Guánica State Forest; an UNESCO Biosphere Reserve, Puerto Rico Department of Natural and Environmental Resources; Postdoctoral Researcher, Virginia

Commonwealth University; College of Marine Science Bridge to the Doctorate Endowed Fellowship; NSF Florida-Georgia LSAMP Bridge to the Doctorate Fellowship; 12 Publications.

Adonis McQueen., Ph.D.
Postdoctoral Researcher

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

NIH IRACDA Postdoctoral Researcher
Stony Brook University



Accomplishments: NIH Postdoctoral IRACDA NY-CAPS Scholar in the Department of Pharmacological Sciences; Byrd-Dunn Presentation Award (Southeastern Society of Parasitologists); McKnight Dissertation

Fellowship Award; Sloan Minority Graduate Scholarship; NSF FGLSAMP Bridge to the Doctorate Fellowship; 2 Publications.

Natasha Mendez Ferrer, Ph.D.
Fishery Biologist

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Fishery Biologist, Gulf of Mexico Fishery
Management Council



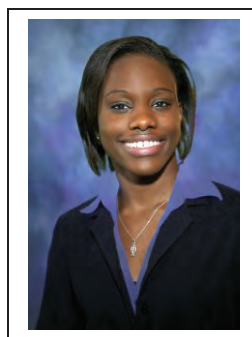
Accomplishments: Staff Environmental Scientist Southwest Florida Water Management District; Graduate Student Researcher, SRI International; Johanna M. Resig Fellowship; Sloan Foundation Minority

Graduate Scholarship; USF Mayor’s Advisory Council Fellowship; NSF Florida-Georgia LSAMP Bridge to the Doctorate Fellowship; USF Successful Latina Student Award.

Kenyaria Noble, Ph.D.
Postdoctoral Researcher

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Postdoctoral Researcher, Medical University of
South Carolina (MUSC)



Accomplishments: NIH Predoctoral Fellowship Award (Medical University of South Carolina); Invited Speaker, Ernest E. Just Symposium (2020); ARO Travel Grant Awardee; UNCF United Negro College Fund

(UNCF)/Merck Science Initiative Scholarship; ABRCMS and ERN Travel Grant Recipient (University of South Florida), 8 Publications.

Udoka Okaro, Ph.D.
Chemical & Biological Research Fellow

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Research Fellow, U.S Army Medical Research
Institute of Infectious Diseases (Washington,
DC)



Accomplishments: National Research Council (NRC), Research Associateships Chemical & Biological Defense Fellowship; Best Presentation Award – Microbiology, 58th Annual National Student Research Forum; Best

Presentation Award, USF Health Research Day, NSF FGLSAMP Bridge to the Doctorate Fellowship.

Glenn Simmons Jr., Ph.D.,
Assistant Professor

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Assistant Professor, Assistant Professor of
Immunology and Cancer Biology at the
University of Minnesota School of Medicine



Accomplishments:
Clinical and Translational
Science Institute (CTSI) Pre-
K Discovery Scholar,
University of Minnesota,
Medical Center; Fellow,
Keystone Symposium on
Molecular and Cellular

Biology; Postdoctoral Research Fellow UT
Southwestern Medical Center and Louisiana
State University Health Sciences Center; NIH
Predoctoral Fellowship Award (Meharry
Medical College), President, FGLSAMP Student
Organization (University of South Florida).

Ransford Hyman, Jr., Ph.D.
Machine Learning Engineer

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Sensei On-Device Machine Learning Engineer,
Adobe Corporation



Accomplishments:
Profiled in USF Envisions
Magazine (Spring 2019);
Best Presentation Award,
Tapia Celebration of
Diversity in Computing
(2011); McKnight Doctoral
Fellowship Award, NSF
FGLSAMP Bridge to the

Doctorate Fellowship; NSF S-STEM Scholar
(University of South Florida); 4 Publications.

[GEO] Geo Sciences

Sennai Habtes, Ph.D.
Research Assistant Professor

(Florida-Georgia), Florida-Georgia LSAMP
(University of South Florida, USF)

Research Assistant Professor at the University
of the Virgin Islands



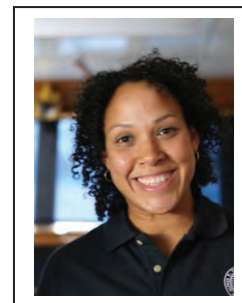
Accomplishments: PI of
NSF NRT INFEWS grant
(DGE #1735222) to
provide interdisciplinary
research training for
master's students at the
University of the Virgin
Islands; McKnight

Doctoral Fellowship; NSF Florida-Georgia
LSAMP Bridge to the Doctorate Fellowship; 4
Publications.

Karyna Rosario., Ph.D.
Research Associate

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Research Associate, University of South Florida
College of Marine Science



Accomplishments: Co-PI,
\$1M NSF Award (DEB
#1239976); ASM Career
Development Grant for
Postdoctoral Women; USF
Sackett Prize for Innovative
Research; NSF East Asia and
Pacific Summer Institutes
(EAPSI) in New Zealand

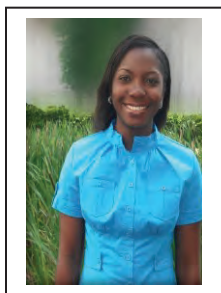
Fellowship; NSF-sponsored International Polar
Year – Research Opportunities in Antarctica for
Minorities; USF Successful Latina Student Award;
USF College of Marine Science Endowed Bridge to
the Doctorate Fellowship; Sloan Foundation
Minority Graduate Scholarship; NSF Florida-
Georgia LSAMP Bridge to the Doctorate Fellowship
(USF); 28 Publications

[GEO] Geo Sciences

Nekesha Williams, Ph.D.
Assistant Professor

Florida), Florida-Georgia LSAMP
(University of South Florida -USF)

Assistant Professor, Dept. of Environmental and
Earth Science, Saint Mary's College of California



Accomplishments: Grantee,
Sloan Scholars Mentoring
Network; Former Senior
Postdoctoral Researcher,
Louisiana State University,
Sloan Foundation Minority
Graduate Scholarship;
Graduate Student Success
Fellowship; NSF Florida-
Georgia LSAMP Bridge to the Doctorate
Fellowship (USF); 4 Publications.

Georgia LSAMP Bridge to the Doctorate
Fellowship (USF); 4 Publications.

[ENG] Engineering and Cyber Security
Sciences (including, Space Sciences, etc.)

Olukemi Akintewe, Ph.D.
Teaching Assistant Professor/Instructor

(Florida), Florida-Georgia, LSAMP
(University of South Florida, USF)

Teaching Assistant Professor (Instructor),
Medical Engineering at the University of South
Florida



Accomplishments: NIH
Postdoctoral Research
Fellow, Boston University;
UNCF/Merck Graduate
Science Dissertation
Research Fellowship; Sloan
Foundation Minority
Graduate Scholarship;

McKnight Doctoral Fellowship; NSF Florida
Georgia LSAMP Bridge to the Doctorate;
Fellowship; 9 Publications; 2 patents.

[ENG] Engineering and Cyber Security Sciences

Christopher Alexander, Ph.D.
Assistant Professor

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Assistant Professor, Department of Civil &
Environmental Engineering, University of South
Florida



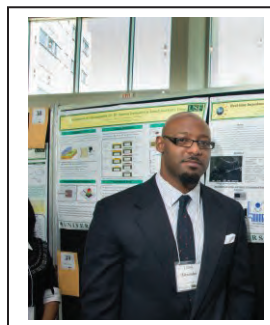
Accomplishments:
Postdoctoral Research
Fellow, Sandia National
Laboratories; McKnight
Doctoral Dissertation
Fellowship Award; DOW
BEST Symposium;
University of Michigan
NextProf, NSF Florida-
Georgia LSAMP Bridge to
the Doctorate Fellow

(University of Florida); 11 Publications, 1
Patent, Best Presentation Award, NSF FGLSAMP
Expo (University of South Florida Florida)

Frank Alexander, Jr, Ph.D.
Research Scientist

(Florida), Florida-Georgia LSAMP
University of South Florida-USF)

Research Scientist, The Geneva Foundation



Accomplishments:
Senior Staff Engineer,
Hesperos, Inc.; Whitaker
Foundation Scholar
Award; NSF/ASEE
Engineering Innovation
Fellowship; NSF
Graduate Research
Fellowship; NSF

International Research & Education in
Engineering (IREE) in China Fellowship; NSF
FGLSAMP Bridge to the Doctorate Fellowship;
10 Publications.

Edikan Archibong-Ogunnaike, Ph.D.
Postdoctoral Researcher

(Florida), Florida-Georgia LSAMP
(University of South Florida)

Postdoctoral Researcher, North Carolina
State University/University of North
Carolina at Chapel-Hill

Accomplishments: NIH T32 Postdoctoral
Trainee at UNC-Chapel Hill;
Grantee, Sloan Scholars
Mentoring Network; Lead
Organizer, STEM Outreach
Program, 2019 World
Congress of Biosensors;
Featured, Diversity in
Action Magazine;
McKnight Dissertation



Fellowship, Sloan Foundation Minority
Graduate Scholarship; NSF FGLSAMP Bridge to
the Doctorate Fellow (University of South
Florida); Student Researcher, Naval Research
Lab; 16 publications/technical reports.

Quenton Bonds, Ph.D.
Deputy Engineering Lead at NASA

(Florida), Florida-Georgia LSAMP
(University of South Florida -USF)

Deputy Engineering Lead and Research
Electronics Engineer at NASA Goddard Space
Flight Center, Greenbelt, MD

Accomplishments: Motivational speaker and
trainer who has given
talks and served on
panels at national; SBIR
Co-Lead at NASA
Goddard Space Flight
Center (GSFC); McKnight
Doctoral Fellowship;
NASA Graduate Student
Researchers Fellowship,
NASA Harriett Jenkins Predoctoral Fellowship;
NSF FGLSAMP Bridge to the Doctorate
Fellowship; 16 Publications/ Proceedings.



Jorge Calabria., Ph.D.
Water Resources Engineer

(Florida), Florida-Georgia LSAMP
(University of South Florida)

Water Resources Associate, Applied Sciences
Consulting, Inc.



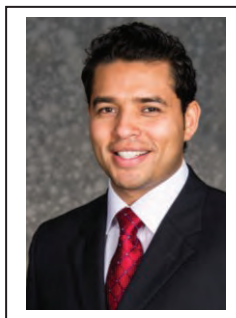
Accomplishments:
Visiting Doctoral
Researcher IHE Delft
Institute for Water
Education; Invited
Presenter, McKnight
Doctoral Dissertation
Fellowship Award; 1st
place, 2016-2017
AEESP/EESF Student
Video Competition -

Team member; Sloan Foundation UCEM
Minority Graduate Scholarship; 5 publications;
3 patents.

Vinicio Carias, Ph.D., R&D Systems Engineer

(Florida), Florida-Georgia LSAMP
(University of South Florida -USF)

R&D Systems Engineer at Sandia National
Laboratories (Albuquerque, New Mexico)

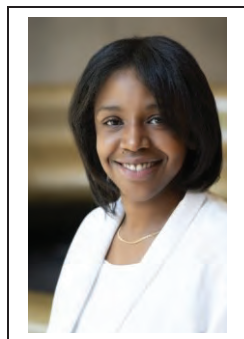


Accomplishments: U.S.
Fulbright Student Program
Research Grant Award
(University of Freiberg,
Germany); Fellow, USF
Graduate School
Leadership Institute; USF
Graduate Student Success
Fellowship; NSF FGLSAMP
Doctorate Fellowship; 3
publications.

Shamara Collins, Ph.D., Science Policy Fellow

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Science and Technology Policy Fellow, Solar Energy Technology Office, U.S. Department of Energy



Accomplishments: U.S. Office of Energy Efficiency and Renewable Energy (EERE) Science, Technology and Policy Fellowship; NSF Graduate Research Fellowship; McKnight Doctoral Fellowship; NSF FGLSAMP Bridge to the

Doctorate Fellowship; 13 Publications.

**Pablo Cornejo Warner, Ph.D.
Assistant Professor**

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Assistant Professor, Department of Civil Engineering at California State University (Chico State), Chico, CA



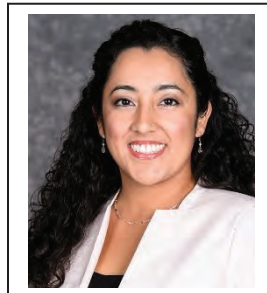
Accomplishments: 2019 Best Paper Award from the American Society for Engineering Education (ASEE) Environmental Engineering Division; Co-PI, NSF NRTINFEWS (Chico State); McKnight Doctoral Fellowship;

Sloan Minority PhD Graduate Scholarship; NSF Graduate Research Fellowship – Honorable Mention; NSF FGLSAMP Bridge to the Doctorate Fellowship; 12 publications.

**Emma Lopez – Ponnada, Ph.D.
Engineering Consultant**

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Staff Professional Engineer, Carollo Engineers Inc.



Accomplishments: STEM Graduate Intern, Congressional Hispanic Caucus Institute (CHCI) for U.S. Rep. Eddie Bernice Johnson (now chair, House Science, Space and Technology Committee); NSF East

Asia Pacific Summer Institutes (EAPSI) in Singapore Fellowship; Best presentation award, Tampa Bay STEM Summit (first place); 1st place, 2016-2017 AEESP/EESF Student Video Competition; 4 publications.

**Domingo Mateo Feliciano, Ph.D.
Research Engineer**

Florida-Georgia LSAMP
(University of South Florida, Tampa)

Optical Coating Manufacturing Engineer at Lockheed Martin

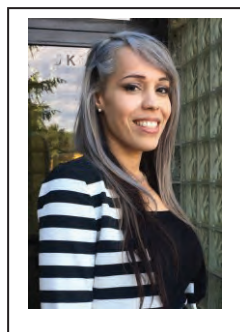


Accomplishments: Student Coordinator, USF NSF REU site in Applied Physics; Mentor for minority graduate students in the USF APS Physics Bridge Program; Presenter, American Physical Society (APS) Annual Meetings; NSF Florida Georgia LSAMP Bridge to the Doctorate Fellowship.

Ophir Ortiz, Ph.D., Associate Director

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Associate Director of External Scientific Affairs,
CytoSorbents Corporation (New York City, NY);
Former Project Engineer, CONMED Corporation



Accomplishments: Co-PI,
NSF Award (CONMED and
University of South
Florida), NIH T32
Postdoctoral Trainee, New
Jersey Center of
Biomaterials (Rutgers
University), McKnight
Doctoral Fellowship, NSF

GK-12 Fellow, Alfred P. Sloan Minority
Graduate Scholar (University of South Florida);
6 publications; 2 patents.

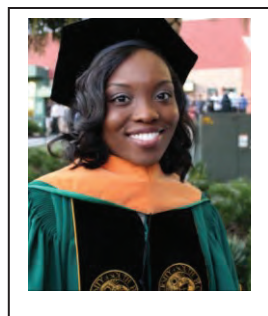
Alisha Peterson, Ph.D.

Product Regulatory Engineer

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Product Regulatory Engineer (Ecology)
Intel Corporation

Accomplishments: Invited Speaker at Alabama



State University, NSF
Center of Research
Excellence in Science and
Technology (CREST)
Excellence for
Nanobiotechnology;
GEM Fellowship
(Johnson & Johnson);
McKnight Doctoral

Fellowship, Sloan Foundation Minority
Graduate Scholarship; NSF FGLSAMP Bridge to
the Doctorate Fellowship.

Tony Price, Ph.D.

Process Engineer

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Filter Design Engineer at Qorvo, Inc.



Accomplishments:

Process Engineer, Intel;
Best Student Paper
Award, 2009 WAMICOM
Conference; Graduate
Student Intern, The
Aerospace Corporation;
Sloan Foundation
Minority Graduate

Fellowship; McKnight Doctoral Fellowship; NSF
Graduate Research Fellowship; NSF FGLSAMP
Bridge to the Doctorate Fellowship.

Javier F. Pulecio, Ph.D., Device Scientist

(Florida), Florida-Georgia LSAMP
(University of South Florida – USF)

Device Scientist and Hardware Developer
at IBM Research (Albany, NY)



Accomplishments:

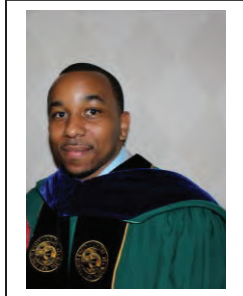
National Research
Council (NRC) Research
Associateship
Fellowship, National
Institute of Standards
and Technology (NIST);
Postdoctoral Researcher,
Brookhaven National

Lab, Best Dissertation Award (2011), USF;
McKnight Doctoral Fellowship; NSF FGLSAMP
Bridge to the Doctorate Fellowship (USF); 15
Publications/Conference Papers.

Brandon Richard, Ph.D., P.E., Staff Engineer

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Electrical Engineer at Collins Aerospace



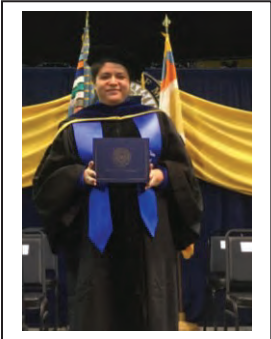
Accomplishments: Senior Electrical Engineer, Lockheed Martin; Product/Device Engineer, Qorvo, Inc.; Electrical Engineer, Northrop Grumman Corporation; Ph.D. Student Intern, Air Force Research Laboratory

(AFRL); McKnight Doctoral Fellowship; Sloan Foundation Minority Graduate Scholarship; NSF FGLSAMP Bridge to the Doctorate Fellowship; 2 publications and 1 patent.

Ana Ysabel Rioja, Ph.D., Research Engineer

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Senior Engineer, RTI Surgical; Former Research Scientist, Community Tissue Services; Former Research Fellow, University of Michigan



Accomplishments: NIH Cardiovascular Research Trainee, University of Michigan, Ann Arbor; President Society of Hispanic Professional Engineers (SHPE) – Graduate Component; University of Michigan, Ann Arbor;

NSF Graduate Research Fellowship Program - Honorable Mention; Ford Foundation Predoctoral Fellowship – Honorable Mention; 13 Publications.

**Al-Aakhir Rogers, Ph.D.,
Process Engineer**

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Process Engineer I3 Microsystems



Accomplishments: President/CEO, The Rogers Connection; Yield Engineer, Aurora Semiconductor; Senior Process Engineer, Draper Lab; McKnight Doctoral Fellowship; NSF East Asia Pacific

Summer Institute (EAPSI) in Taiwan Fellowship; Sloan Foundation Minority Graduate Scholarship; NSF FGLSAMP Bridge to the Doctorate Fellowship; 2 Publications.

John Shelton, Ph.D., Assistant Professor

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Assistant Professor, Mechanical Engineering,
Northern Illinois University



Accomplishments: Postdoctoral Researcher, Carnegie Mellon University; U.S. Department of Energy Efficiency & Renewable Energy (EERE) Postdoctoral Fellowship; GEM Fellowship; Sloan Foundation Minority

Graduate Scholarship; NSF FGLSAMP Bridge to the Doctorate Fellowship; 11 Publications/Conference Papers.

[MPS] Mathematics, and Physical Sciences

Regina Easley, Ph.D., Research Chemist

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Research Chemist, National Institute of Standards and Technology (NIST), Gaithersburg, MD



Accomplishments: Profiled in Chemical and Engineering News (C&EN); Invited Speaker, 2017 NOBCChe National Conference; National Research Council (NRC) Research Associateship Fellowship, National Institute of Standings

and Technology (NIST); Spent over 120 days at sea in the Gulf of Mexico and in the Arctic Ocean on research cruises; Served as a contractor on the Deepwater Horizon oil spill; Sloan Minority PhD Graduate Scholarship; NSF FGLSAMP Bridge to the Doctorate Fellowship; 8 publications.

**Jasmine Oliver Graham, Ph.D.
Medical Physicist**

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Assistant Member, Medical Physicist,
Department of Radiation Oncology



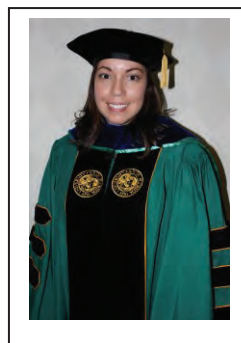
Accomplishments: Travel Grant Recipient, 64th Annual Lindau Nobel Laureate Meeting; McKnight Doctoral Fellowship; NSF FGLSAMP Bridge to the Doctorate Fellowship; Best Presentation Award

(2nd Place) Emerging Researchers National (ERN) Conference in STEM, 2015; 8 Publications.

Keily Heredia, Ph.D., Assistant Professor

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Assistant Professor of Chemistry,
Antillean Adventist University
Mayaguez, Puerto Rico



Accomplishments: Travel Grant Recipient, Society for the Advancement of Hispanics, Chicanos, and Native Americans in Science (SACNAS) Annual Conference; USF Successful Latino Student Award, 2011; USF Graduate Student Success

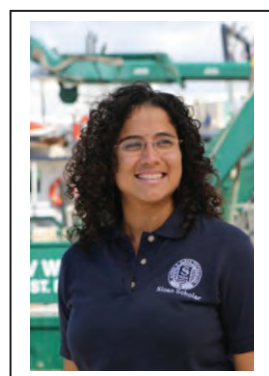
Fellowship; NSF FGLSAMP Bridge to the Doctorate Fellowship; 2 Publications.

[TECH] Advanced Technology

**Maria Vega-Rodriguez, Ph.D.
Technical Project Coordinator**

(Florida), Florida-Georgia LSAMP
(University of South Florida - USF)

Technical Project Coordinator at Pinellas County
Government (St. Petersburg, FL)



Accomplishments: Profiled, Diversity in Action Magazine; NASA Earth & Space Sciences Fellowship; ARCS Foundation - Tampa Bay Scholar; USF Dissertation Success Fellowship; USF Sloan Foundation Minority Graduate

Scholarship; USF FGLSAMP Bridge to the Doctorate; USF Successful Latina Student Award; 6 publications.

Andrea Rocha, Ph.D., Research Scientist

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Scientist at Geosyntec Consultants



Accomplishments:
Profiled, Department of Energy (DOE) Women @Energy Series; Postdoctoral Research Associate, Oak Ridge National Laboratory (ORNL); Graduate Student

Researcher, Oak Ridge National Laboratory (ORNL); Featured, American Society of Microbiology Minority Microbiology Newsletter; USF Graduate Student Success Fellowship; GEM Fellowship; Successful Latina Student Award; Sloan Foundation Minority Graduate Fellowship; NSF Florida-Georgia LSAMP Bridge to the Doctorate Fellowship (USF); 8 Publications.

**Joseph Bonivel, Jr., Ph.D.
Department of Defense Subject Matter Expert**

(Florida), Florida-Georgia LSAMP
(University of South Florida, USF)

Subject Matter Expert and Technology Policy Advocate at the US Department of Defense, and Nonresident Fellow at the Atlantic Council



Accomplishments:
AAAS National Science Foundation Science and Technology Policy Fellow at United States Agency for International Development (USAID), and as an Executive Branch Fellow for the National Science

Foundation (NSF); Sloan Minority Graduate Scholarship; NSF GK-12 Teaching Fellowship; NSF Bridge to the Doctorate Fellowship.

[EDU] Science Education (including, Data Sciences, etc.)

**Ileana Freytes-Ortiz, Ph.D.
Data Analyst**

Florida), Florida-Georgia LSAMP
(University of South Florida -USF)

Data Analyst at Rakuten Marketing and Science Communicator



Accomplishments: Trained science communicator and Educator; Completed nine-month training program in environmental education and science communication at the University of Idaho; NSF Graduate Research

Fellowship, Sloan Minority Graduate Fellowship, NSF FGLSAMP Bridge to the Doctorate Fellowship; 2 publications

State University of New York Louis Stokes Alliance for Minority Participation (SUNY LSAMP)

PI: Michael Bernstein

Co-PIs:

Mónica Bugallo monica.bugallo@stonybrook.edu

Candice Foley foleyc@sunysuffolk.edu

Shanise Kent snkent@albany.edu

Bonita London-Thompson bonita.london@stonybrook.edu

Stacie Nunes nuness@newpaltz.edu

PARTNERING INSTITUTIONS:

Buffalo State, SUNY

Dutchess Community College

Farmingdale State College

Nassau Community College

Stony Brook University

Suffolk County Community College

SUNY New Paltz

SUNY Old Westbury

SUNY Orange-Orange County Community College

SUNY Schenectady County Community College

University at Albany

University at Buffalo

**Kevin Purcell, M.D. – Wright State University
Boonshoft School of Medicine**

(Mississippi). SUNY LSAMP (New Paltz)

**Resident Physician at the University of
Mississippi Medical Center [BIO]**



Accomplishments: Licensed orthopedic surgeon and a resident physician at the University of Mississippi Medical Center. He also earned a Master's in Physiology and Biophysics from Stony Brook University, and a Master's in Public Health from SUNY Downstate Medical Center's School of Public Health with a focus on Community Health and Preventative Medicine. In 2016, he was one of 15 medical students nationwide to receive the 2016 American Medical Association Foundation Physicians of Tomorrow Award. He currently serves as a mentor for Mentoring in Medicine, an organization created to increase the diversity of the U.S. physician workforce.

Ramon Emilio Fernandez, Ph.D.-Stony Brook University

(New York). SUNY LSAMP (Stony Brook University)

Assistant Professor of Mathematics and Mathematics Education (Tenure-Track)

Accomplishments: Having completed my Ph.D. timely, and going straight from the Ph.D. into a Tenure Track position as Assistance Professor of Mathematics is my most proud professional accomplishment. It gave me access to my calling, my true source of accomplishment, which is my commitment to bring heart, love, empathy, and comprehension into the classroom, together with delivering the highest of academic content I am capable of delivering.



Arindel S.R. Maharaj, M.D., Ph.D., Harvard University

(Florida). SUNY LSAMP (Stony Brook University)

Assistant Professor of Clinical Ophthalmology, Bascom Palmer Eye Institute, University of Miami [OTH]

Accomplishments: Medical Scientist Training Program graduate Harvard Medical, School 2009; Residency, Ophthalmology - Baylor College of Medicine; Glaucoma fellowship, Bascom Palmer Eye Institute 2014; Publications: 16 peer reviewed papers, 1 book chapter; Mentoring for the Advancement of Physician Scientist award by the American Glaucoma Society, 12/16; Michael Redmond MD Outstanding Young Ophthalmologist Leadership Award, by Florida Society of Ophthalmology, 6/18.



Jacqueline Richardson-Melecio, LMSW, Ph.D. - University at Albany

(New York). SUNY LSAMP (University at Albany)

Social Science Researcher/D.E.I. Consultant [OTH]



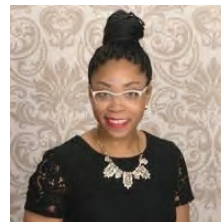
Accomplishments:

Experienced professional, having worked in the fields of human services, education, and training and with over 20 years of executive level management experience and a commitment to quality result driven service delivery. For over 20 years she has been a consultant for organizational diversity and inclusion, cultural competence training, and workforce development in behavioral health and human service industry. Fellowships and Awards: National Association of Social Workers, Eileen Blackey, Doctoral Fellowship, 2013, and University at Albany, School of Social Welfare, Dissertation Research Fellowship 2013-2015.

Bethany K. Asare, Ph.D. - University at Buffalo [BIO]

(Mississippi). Mississippi LSAMP (Tougaloo College)

Biologist, National Institutes of Health (NIH), National Cancer Institute (NSI) [BIO]



Accomplishments: Biologist at the National Cancer Institute Biological Testing Branch, where she maintains a repository of experimental animal and human tumor cell lines for research performed by a variety of qualified investigators. Her work has appeared in 7 journal publications including. Her awards include the Graduate Student Award of Excellence for Promoting Inclusion and Cultural Diversity, and American Association of Cancer Research (AACR) Minority Scholar in Cancer Research Award.

C. Francisco Buitrago, Ph.D. - University of Pennsylvania

(New York). SUNY LSAMP (University at Buffalo)

Scientist, Arkema Americas, King of Prussia, PA. [ENG]



Accomplishments: Completed a Post Doc in the Winey group at the University of Pennsylvania and now employed as a research scientist for Arkema Americas, a chemical company that develops state-of-the-art specialty chemicals and polymers. He is

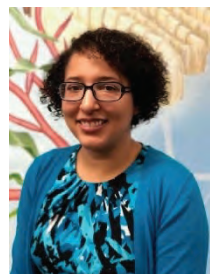
responsible for product and application development in the Thiochemicals Business Unit. His work appears in 8 publications.

Anny (Caceres) Treat, Ph.D. - University of Pittsburgh

SUNY LSAMP (University at Buffalo York)

Post-doctoral Research Associate (Kolber Lab), Department of Biological Sciences, Duquesne University, Pittsburgh, PA. [BIO]

Accomplishments: Dr. Treat is a post-doctoral Research fellow in the Kolber Lab and a Biology instructor at Duquesne



University. She teaches a variety of graduate and undergraduate courses including *Advanced General Biology Lab*, and *Pathogenic Microbiology*. Her research has resulted in a journal article

published in *PLUS ONE*.

Michael Coleman, Ph.D. – University at Buffalo

(New York). SUNY LSAMP (Univ. at Buffalo)

Associate Professor of Chemistry, Rochester Institute of Technology, Rochester, NY. [MPS]



Accomplishments: His teaching responsibilities include instruction of undergraduate and graduate organic chemistry courses. His research specialization is

the discovery of novel organometallic transformations towards the synthesis of biologically active small molecules and imaging agents. His scholarly work has appeared in *Organic & Biomolecular Chemistry* and *Advanced Synthesis & Catalysis*.

Corie Ellison, Ph.D. - University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Toxicologist at Procter & Gamble, Cincinnati, OH. [BIO]



Accomplishments: Toxicologist for Procter & Gamble, the world's fourth-largest consumer goods company. He designs experiments that test whether chemicals are safe for use in an array of

everyday products. His scholarly work has appeared in journal publications such as *Toxicology Letters*, *Journal of Solution Chemistry*, *Journal of Applied Toxicology*, and *Skin Pharmacology and Physiology*.

Folarin Erogbogbo, Ph.D. - University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Assistant Professor, Material & Chemical Engineering, Biomedical Engineering, San Jose State University [ENG]



Accomplishments: Teaches courses and mentors students in Biomedical, Chemical and Materials Engineering. His courses include *Physiology for Engineers* and *Heat Transfer for Electronics*. His research focuses on biomedical applications of nanotechnology including: drug delivery, quantum dots, biocompatibility, graphene, silicon and mobile imaging platforms. He has over 40 publications and was a 2011 recipient of the Ford Foundation Fellowship.

Ivonne M. Ferrer, Ph.D. – University at Buffalo

(Puerto Rico). PR-LSAMP (University of Puerto Rico, Cayey)

Associate Analytical Manager at Corteva Agriscience, Pittsburg, CA [MPS]

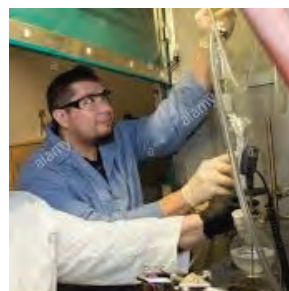


Accomplishments: Completed a post-graduate post at California Institute of Technology before taking a position with Dow Chemical in Pittsburgh, CA. She recently moved into a position as an Analytical Manager with Corteva Agriscience. She has a chapter in the ACS Symposium Series, *New Approaches to Monolithic Columns*; and her work appears in journal publications including *Chemistry of Materials*, *Journal of the American Chemical Society*, *Applied Spectroscopy*, *Surface Science*, and *Thin Solid Films*.

Pablo E. Guzmán, Ph.D. - Emory University

(Illinois). I-LSAMP (Chicago State University)

Synthetic Chemist, U.S. Army Research, Aberdeen Proving Ground, MD. [MPS].



Accomplishments: Hired by the US Army after completing postdoctoral study at the California Institute of Technology. He has a background in synthetic chemistry and works to produce safer chemical and synthetic materials for products. His scholarly work has appeared in *Organic Process Research & Development*, *European Journal of Organic Chemistry*, *Propellants Explosives Pyrotechnics*, and *ChemPlusChem*.

Karen Holness, Ph.D. - University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Professor of Practice, Department of Systems Engineering, Naval Postgraduate School, Monterrey, CA. [ENG]



Accomplishments: Her research interests include macro ergonomics, sociotechnical system design, decision making in engineering systems, human-automation task allocation, applied systems engineering in defense acquisition, applied human systems integration in defense acquisition, design and improvement for operator and maintainer usability. She has research and her work appears in journals such as *Human Factors and Ergonomics in Manufacturing*, *Theoretical Issues in Ergonomics Science* and *The Grounded Theory Review*.

Richard Linares, Ph.D. - University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Assistant Professor, Department of Electrical, Computer, and Telecommunications Engineering, Rochester Institute of Technology, [ENG]



Accomplishments: After a number of valuable research and teaching experiences, he recently joined the Space Systems Lab at MIT. His research interests include astrodynamics, estimation

and controls, satellite guidance and navigation, space situational awareness, and space-traffic management. Dr. Linares has over 100 publications and several research projects to his credit.

Shola Olabisi, Ph.D. - University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Charles Stark Draper Assistant Professor; Co-Director, Space Systems Lab, Massachusetts Institute of Technology (MIT), Boston, MA. [ENG]



Accomplishments: Administers the RAVVEN lab within the College of Engineering Technology at the Rochester Institute of Technology. The lab combines practical real-

world know-how with the latest hardware and theoretical frameworks to create cutting edge technologies the world has never seen before. The lab's focus areas include FPGA-based on-board video processing for GPS-denied navigation and object classification via quantized neural networks.

Adonis Pimienta-Penalver, Ph.D. – University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Senior GNC Engineer at Raytheon, Tucson, AZ [ENG]



Accomplishments: He is a senior guidance, navigation, and control (GNC) engineer for Raytheon, advancing research and development in both the defense and commercial

aerospace sectors. During his doctoral studies at the University at Buffalo (UB), he worked in the Nanosat lab, a partnership with the US Air Force Research Lab, NASA, and Moog, Inc., to build satellites from concept to launch. He has work published in journals including *Advances in the Astronautical Sciences*, and *Journal of Guidance Control and Dynamics*.

Johnathan Rivera, Ph.D. - University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Project Engineer at Thornton Tomasetti, Boston, MA. [ENG]



Accomplishments: Senior engineer with Thornton Tomasetti, where he uses his knowledge to optimize the design and performance of structures, materials and

systems for a number of projects in the Boston area and beyond. His research specialties include new construction, tenant fit outs, and connection design. His scholarly work includes a number of conference papers, technical reports and articles.

Courtney M. Saenz, Ph.D. - University at Buffalo (Roswell Park Graduate Division)/MD

(New York). SUNY LSAMP (Buffalo State College)

Post Medical Graduate at Heart Center of Nevada, Las Vegas, NV. [BIO]



Accomplishments:

Employed with the Heart Center of Nevada, a comprehensive cardiovascular clinic. In June 2020, she will begin an Internal Medicine residency

at Valley Hospital in Las Vegas, NV. Through many ups and downs, she remained determined and used every experience to grow, and gain knowledge and confidence. Her awards include the National Institutes of Health Supplement to Promote Diversity in Health-Related Research. She has publications in the *Journal of Porphyrins and Phthalocyanines* and *ACS Chemical Biology*.

Sean R. Semper, Ph.D. - University at Buffalo

(New York). SUNY LSAMP (University at Buffalo)

Engineer, NASA Goddard Space Flight Center, Greenbelt, MD. [ENG]



Accomplishments: NASA engineer in the Components and Hardware Systems branch, which is responsible for the development of advanced guidance, navigation and control (GN&C) component

technologies. He is the Station Explorer for X-ray Timing and Navigation Technology (SEXTANT) ground system lead. His scholarly work includes conference proceedings, and articles in *IEEE Aerospace Conference Proceedings*.

Jesús Velázquez, Ph.D. – University at Buffalo

(Puerto Rico). PR LSAMP (University of Puerto Rico, Cayey)

Assistant Professor, Department of Chemistry, University of California, Davis [MPS]



Accomplishments:

Materials chemist with particular interests in the synthesis, characterization, and device integration of micro/nanomaterials and their potential for the

advancement of applications in energy conversion and storage, electronics and environmental remediation. He has won numerous awards. Dr. Velázquez's is developing a robust publication record with articles in many journals. The *Journal of Physical Chemistry C*, *ACS Applied Materials & Interfaces*, *Proceedings of SPIE - The International Society for Optical Engineering*, *Journal of Materials Chemistry* and *CrystEngComm*.

Stephen Collazos Ph.D. - University of Minnesota

(Minnesota). SUNY LSAMP (Binghamton University)

Assistant Professor of Mathematics, University of Minnesota [MPS]



Accomplishments: Charter member of Pu Mu Epsilon, Recipient of NSF Graduate Research Fellowship Program (GRFP), specialization within Applied Mathematics and Computational Neuroscience.

Giancarlo Cuadra, Ph.D. - Binghamton University

(Pennsylvania). SUNY LSAMP (Binghamton University)

Assistant Professor of Biology, University of Muhlenberg College [BIO]



Accomplishments: Postdoctoral Fellowship in Host-Bacteria at the University of Florida.

Elin Mina Barsoum, Ph.D. - Binghamton University

(New Jersey). SUNY LSAMP (Binghamton University)

Senior Scientist, Merck [BIO]

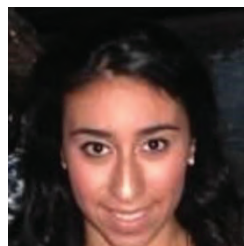


Accomplishments: NSF Bridge to the Doctorate Fellow, Postdoctoral Research Fellow at PharmaSeq, Inc. in New Jersey, four publications across various journals.

Sara Mina Ph.D. - Binghamton University

(Massachusetts). SUNY LSAMP (Binghamton University)

Immuno-Oncology Postdoctoral Fellow, Massachusetts Institute of Technology (MIT) [BIO]



Accomplishments: NSF Bridge to the Doctorate Fellow, Postdoctoral Fellow at Massachusetts Institute of Technology (MIT).

Gandhy Pierre-Louis, Ph.D. - Stanford University

(Florida). SUNY LSAMP Binghamton University

Professor of Biology, Valencia College, Florida [BIO]

Accomplishments: Attained his Ph.D. from Stanford University, Post-Doctoral Fellow at Emory University School of Medicine, Ronald E. McNair Postbaccalaureate Achievement Scholar and publications in various journals.



Saintedym Willis, Ph.D. - Duke University

North Carolina). SUNY LSAMP (Binghamton University)

Associate Technical Director, LabCorp. [BIO]



Accomplishments: Doctoral degree attained from Duke University School of Medicine, Postdoctoral Research Associate at the University of North Carolina at Chapel Hill School of Medicine, Gordon Research Conference- Italy, three publications.

Mikhail Coloma, Ph.D. - Binghamton University

(Washington, D.C.). SUNY LSAMP (Binghamton University)

Senior System Engineer at Definitive Logic [ENG]



Accomplishments: Clifford D. Clark Fellow, Technical Writer, Mechanical Engineering Consultant, five publications.

Renan DelValles, Ph.D. - Binghamton University

(California). SUNY LSAMP (Binghamton University)

Software Engineer at Paypal [CISE]



Laura Waterbury-Mangus, D.V.M-Ross University School of Veterinary Medicine

(Pennsylvania). SUNY LSAMP (SUNY New Paltz)

Supervisory Public Health Veterinarian at USDA-FSIS, Erie Pennsylvania [BIO]

Accomplishments: Completed an internship at South Shore Animal Hospital before beginning her career in companion animal medicine. After several years, she followed her true passion in public health and is now the Supervisory Public Health Veterinarian at the USDA Food Safety Inspection Services. Her responsibilities include: Supervising, Humane Handling, Antemortem and postmortem inspection, HACCP plans, and sampling.

Elena Adjei, Ph.D. - Howard University

(Washington, D.C.). SUNY LSAMP (SUNY New Paltz)

Research Assistant at Howard University Hospital, Washington, D.C. [BIO]



Accomplishments:

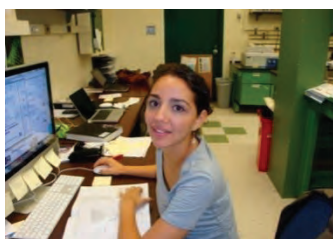
Research assistant at the Howard University Hospital. She was an AGEF Fellow at Howard University and has published three articles

on her research on Sickle Cell Disease in the American Journal of Hematology, and Blood (American Society of Hematology).

Alexis Santana, Ph.D. - Stony Brook University

(New York). SUNY LSAMP (New Paltz)

Business Development Manager, Northwest Champions Oncology, Inc. [BIO]



Accomplishments: Business Development Manager in the Northeast at Champions Oncology completed a post-doctoral fellowship at the New York University School of Medicine's Ronald O. Perelman Department of Dermatology in the Carrucci Lab. Her research involved developing novel cell and animal models to investigate genetic and immunological pathways pertaining to development and progression of cutaneous PCCs. While completing her doctorate, she was the recipient of the NIH T32 Grant in 2015 and the Bridge to the Doctorate Fellowship. Her work appears in 5 journal publications.

Cesar Perez, Ph.D. - New York University

(New York). SUNY LSAMP (New Paltz)

Director, Division 2: Establishment Support, Office of Regulatory Programs, Silver Spring, Maryland. [BIO]



Accomplishments:

Director of Division 2: Establishment Support at the Office of Regulatory Programs at the FDA. His responsibilities include the development and implementation of policies and processes related to medical device imports, registration and listing, exports, regulatory inspections and audits, and compliance programs. He previously served as a Branch Chief and Senior Regulatory Operations at the FDA. Dr. Perez's work appears in the Journal of Virology.

Maria Davison (Rodolis), Ph.D. - University of Warwick

(U.K). SUNY LSAMP (New Paltz)

Assistant Manager, Government and Public Sector at EY, Play Hatch, Oxfordshire, UK. [BIO]



Accomplishments: Assistant Manager for the Government and Public Sector at EY. She is also an Associate Chartered Accountant. After completing her Ph.D., she worked at Stony Brook University as a Post-Doctoral Research Associate and was the recipient of the NSF AGEPT-T Frame Postdoctoral Fellowship. She was also the recipient of an NSF Graduate Research Fellowship and her work appears in 4 journal publications.

California State University Louis Stokes Alliance for Minority Participation (CSU-LSAMP)

PI: Dr. Robert S. Nelsen president@csus.edu



Co-PIs:

Dr. Lisa Hammersley, hammersley@csus.edu

Dr. Semarhy Quinones-Soto, e.quinones-soto@csus.edu

Dr. Shannon Williams, Shannon.a.williams@csus.edu

Dr. David Barker, dbarker@american.edu

Institutional Partners:

California State University, Bakersfield; California State University, Channel Islands; California State University, Chico; California State University, Dominguez Hills; California State University, East Bay; California State University, Fresno; California State University, Fullerton; Humboldt State University; California State University, Long Beach; California State University, Los Angeles; California State University, Maritime Academy; California State University, Monterey Bay; California State University, Northridge; California State Polytechnic University, Pomona; California State University, Sacramento; California State University, San Bernardino; San Diego State University; San Francisco State University; San Jose State University; California Polytechnic State University, San Luis Obispo; California State University, San Marcos; Sonoma State University; California State University, Stanislaus

BIOLOGICAL SCIENCES [BIO]

George A. Bruschi IV, Ph.D., Biology,
Arizona State University

CSU-LSAMP (California Polytechnic State University, San Luis Obispo) [California]

Postdoctoral Scientist at the French National Center for Scientific Research in Chizé, France



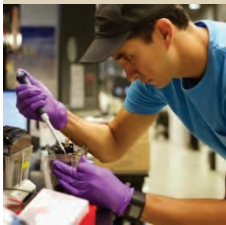
Accomplishments: Ph.D. from Carnegie Mellon. NSF Graduate Research Fellowship, NSF EAPSI Fellowship, ASU School of Life Sciences Outstanding Graduate Award, Faculty

Women's Association Distinguished Graduate Student Award, 13 peer-reviewed publications, over \$250,000 in competitive grants and fellowships, starting as Assistant Professor in animal physiology at Oklahoma State University in the fall 2020.

Carlos Gonzalez, Ph.D., Chemical and Systems Biology, Stanford University, School of Medicine

CSU-LSAMP (California State University San Marcos) [California]

Postdoctoral Fellow, University of California San Diego. Studying host microbiome interactions using multiple 'omic' technologies



Accomplishments: Ph.D. from Stanford University in Chemical and Systems Biology. NSF Graduate Research Fellowship; HHMI Gilliam Fellowship

Recipient; Stanford Graduate Fellowship; UCSD IRACDA Fellowship. Currently five publications with four more in the pipeline.

Temet McMichael, Ph.D., Viral Immunology, Ohio State University

CSU-LSAMP (California State University San Marcos) [California]

CDC Epidemic Intelligence Service (EIS) Officer; Communicable diseases, Epidemiology, and Immunization Branch.



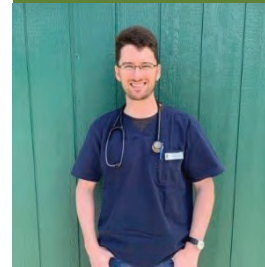
Accomplishments: Ph.D. from The Ohio State University in microbial parthenogenesis. ASM Robert D Watkins fellowship; HHMI Gilliam fellowship; CDC EIS

officer. 13 publications. First Native American with doctorate from the La Jolla band of Luiseno Indians.

Brendan Doiron, DVM, Veterinary Medicine, Oregon State University

CSU-LSAMP (Humboldt State University) [California]

Doctor of Veterinary Medicine, Valley Veterinary Clinic, Rainier, Oregon



Accomplishments: Works with exotic animals including black bears, mule deer, kit fox and Tule Elk relocation and mobile veterinary

service. Organized and directed Zoo, Wildlife, and Exotics Symposium 2017. Elected to Society of Phi Zeta, Honor Society of Veterinary Medicine.

Jorge Dinis, Ph.D., Microbiology, University of Wisconsin-Madison

CSU-LSAMP (San Jose State University) [California]

Project Manager, Innovative Genomics Institute at University of California, Berkeley



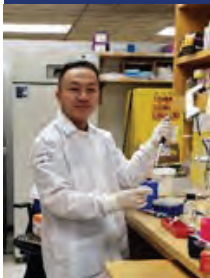
Accomplishments: Scientist turned Project Manager. Manages a Defense Advanced Research Projects Agency (DARPA) project to develop epigenome-editing therapeutic for radiation

protection. Launched 8 next-generation sequencing products to improve early detection of human disease. Awarded NIH Diversity Fellowship, NSF GRFP, and Ford Dissertation Fellowships. Author of 12 peer-reviewed journal articles. Still makes time to laugh.

Khavong Pha, Ph.D., Cellular and Molecular Biology, UC San Francisco

CSU-LSAMP (California State University, Fresno) [California]

Post-Doctoral Research Fellow, UCSF



Accomplishments: Recipient of the Eugene Cota-Robles Fellowship, the American Society of Microbiology (ASM) Robert D. Watkins Graduate Fellowship, and the NIH F32 Ruth L. Kirschstein

NRSA Fellowship. Has four publications. Received the UCD Graduate Studies Matching Commitment Award, Biochemistry, Molecular, Cell, and Developmental Biology (BMCDB) Spring Award, and ASM2012 General Meeting Student Travel Award.

Natalie Chavez Lau, Ph.D., Biology, Stanford University

CSU-LSAMP (San Jose State University) [California]

Senior Medical Communications Specialist, Exact Sciences



Accomplishments: NSF GRFP. Awarded the National Defense Science and Engineering Graduate Fellowship. Recipient of Diversity Innovation Fund to

establish new diversity programming at Stanford University. Recipient of Initiative for maximizing Student Development Fellowship. Published four scientific articles in Journal of Urology, Toxicon, Cold Spring Harbor Perspectives in Biology, and Molecular Biology of the Cell. Developing innovative communications to broaden scientific engagement amongst clinicians and patients.

Vanessa L. Gonzalez, Ph.D., Organismic & Evolutionary Biology, Harvard University

CSU-LSAMP BD III (California State University, Los Angeles) [California]

Computational Genomics Scientist, Global Genome Initiative, National Museum of Natural History, Smithsonian Institution



Accomplishments: After receiving a Ph.D. from the Department of Organismic and Evolutionary Biology and the Museum of Comparative

Zoology at Harvard University in 2013, began research at the Smithsonian focusing broadly on biodiversity genomics, systematics, and invertebrate biology. She currently lists 87 publications on researchgate.net.

Maura Palacios Mejia, Ph.D., Wildlife & Fisheries Scientist, Texas A&M University

CSU-LSAMP BD-V (California State University, Long Beach; Cal State LA) [California]

HHMI Post-Doctoral Scholar, Department of Environmental DNA Research, Education, and Outreach, UC Los Angeles



Accomplishments: Maura is carrying out research in collaboration with The Nature Conservancy in the Mojave Desert, as well as

landmark locations in Los Angeles, like the L.A. River, developing two first year students course on environmental DNA through the new eSIE: environmental DNA for Science Investigation and Education Program, and assisting in community driven science through the CALeDNA program.

Mayra Pastore, Ph.D., Endocrinology & Reproductive Physiology, University of Wisconsin, Madison

CSU-LSAMP BD-IV (San Francisco State University) [California]

Clinical Education Liaison/Medical Science Liaison, Bristol Myers Squibb



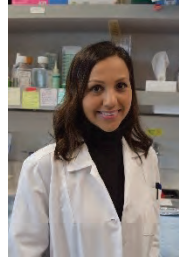
Accomplishments: Dr. Pastore's accomplishments include the UCSF IRACDA Postdoctoral Fellowship;

Ronald K. Meyer Graduate Trainee Award for Scientific Productivity and Scholarly Activity; Bay Area Badger Bascom Scholarship; Training, Education, And Mentoring in Science Scholarship; Burroughs Wellcome Travel Fellowship; and the Kennedy-King Scholarship. She is a member of 10 professional organizations, and has 7 publications.

Monica Delgado Moreno, Ph.D., Immunology, UC Davis School of Medicine

CSU-LSAMP BD-V (California State University, Los Angeles)

Scientist, xCella Biosciences



Accomplishments:

Monica was a postdoctoral scholar at Stanford University, where she studied myelin repair and neuroinflammation in

multiple sclerosis. During her career, she has 10 publications. While at Stanford, she twice received a T32 training grant. She is currently working on the development of therapies to improve anti-tumor immune responses in patients.

Cecilia Zurita Lopez, Ph.D., Biochemistry & Molecular Biology, UC Los Angeles

CSU-LSAMP (California State University, Los Angeles) [California]

Assistant Professor of Biochemistry, California State University, Los Angeles



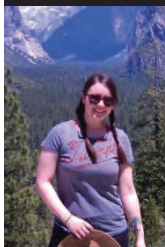
Accomplishments: Dr. Zurita Lopez was a postdoctoral researcher, where, under the direction of Dr. Andrea Armani at the University of Southern California (USC), she took part in the development

of a noninvasive detector for early-stage cancer cells. Her research centered on the crosstalk between arginine methylation and phosphorylation of histone proteins. She was the recipient of the Kirschstein-NRSA pre-doctoral fellowship.

Alison Dawn Scott, Ph.D., Botany,
University of Wisconsin, Madison

CSU-LSAMP (California State University, Los Angeles) [California]

Postdoctoral Researcher, Neale Lab, UC Davis



Accomplishments: Dr. Scott graduated with Honors in Biology and cum laude from CSU, Los Angeles, representing the top 5% of students in her college. Upon entering the Ph.D. program in Botany at the University of Wisconsin, she received an NSF Graduate Research Fellowship, and two fellowships from the University of Wisconsin. Despite Alison's busy schedule, she has returned to CSU Los Angeles several times to conduct workshops for LSAMP students interested in applying to Ph.D. programs.

Pingdewinde Sam, Ph.D. Candidate,
Cellular & Molecular Biology, Johns Hopkins University School of Medicine

CSU-LSAMP (Sonoma State University) [California]

Science & Technology Policy Fellow, National Academies of Sciences, Engineering, and Medicine



Accomplishments: NSF Graduate Research Fellowship (2016); Founder & Executive Director for Teebo.org, U.S.-based nonprofit organization focused on eliminating poverty and hunger, providing clean water, and improving health for Burkinabés. Co-founder of the EDEN school that advocates for STEM education of boys and girls in Burkina Faso.

Ameer Thompson, Ph.D., Physiology,
Biophysics and Systems Biology, Cornell University

CSU-LSAMP (California State University, Sacramento) [California]

Dean, Natural, Social, and Applied Sciences, Contra Costa College



Accomplishments: NSP Graduate Research Fellowship; founding Director of *Caminos a las Ciencias*, providing leadership, coordination, and resource management of a strengths-based program that promotes inclusive excellence for Latinx, first-generation, and low-income students. Established a scholarship within the Sac State SEE Program; the de la Porte, Johnson, Thompson Endowed Scholarship supports science students who advocate for women in the sciences.

Nadine R. Martinez, Ph.D., Molecular,
Cellular, & Developmental Biology, UC Santa Barbara

CSU-LSAMP (California State University, Los Angeles) [California]

Postdoctoral Fellow, Winn Lab, Dept. of Obstetrics & Gynecology, Stanford



Accomplishments: Stanford University Mass Spectrometry Seed Funding Grant; IRACDA Postdoctoral Fellow; Child Health Research Institute (CHRI) Grant & Postdoctoral Award; MCDB Merit Fellowship; DOW-MRL Travel Fellowship; 2014 Outstanding Mentor Award; Graduate Research Mentorship Program (GRMP) Fellowship.

ENGINEERING & CYBER SECURITY
SCIENCES [ENG]

Mario Saldana, Ph.D., Mechanical Engineering, Colorado School of Mines

CSU-LSAMP (California State University, Fresno) [California]

Senior Mechanical Engineer, Concepts & Prototyping Lead, Rocco, LLC

Accomplishments: Joined Rocco in 2016 as Sr. ME for thermal management's products. His PhD research project focused on the design of a variable pressure flow reactor and the



experimental investigation of alkane pyrolysis at high pressure and temperature. At Rocco, he leads the Concepts and Prototypes team as well as the development of test protocols for the FlexTherm™ and FlexCool™ product line.

Corey Baker, Ph.D., Electrical & Computer Engineering, University of Florida, Gainesville, FL

CSU-LSAMP (San Jose State University) [California]

Assistant Professor, Dept. Of Computer Science, University of Kentucky



Accomplishments: Recipient of the UC President's Postdoctoral Fellowship at UCSD, GEM PhD Fellowship, Intel Scholarship, McKnight Dissertation

Fellowship, and the NSF LSAMP BD Fellowship. Corey has served on the board of directors of the National Society of Black Engineers (NSBE) numerous times as a two term National Treasurer and CFO, two term National Treasurer Emeritus, and as the Region 6 Chairperson.

Christopher Gutierrez, Ph.D., Computer Science, Purdue University

CSU-LSAMP (California State University, Bakersfield) [California]

Security Solutions Research Scientist, Intel Labs



Accomplishments:

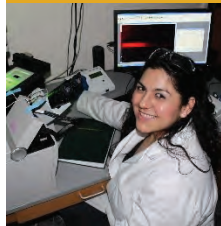
Christopher has more than a dozen publications to his name, including first author for multiple scholarly papers in Association for Computing

Machinery and Institute of Electrical and Electronics Engineers journals. He was a McNair, Marc U*Star, and CSU-LSAMP Scholar. He is currently working with the research division at Intel Labs in Hillsboro, Oregon.

Monica A. Kapil, Ph.D., Bioengineering, University of California, Berkeley

CSU-LSAMP (San Jose State University) [California]

Device Engineer, The Janssen Pharmaceutical Companies of Johnson &



Accomplishments: CSU Chancellor's Doctoral Incentive Program; National Science Foundation Graduate Research

Fellowship; University of California Dissertation –Year Fellow; the College of Engineering Graduate Student Research Fellowship, UC Berkeley. She also received the Scott T. Axline Memorial Student Award for Excellence in Service (2009). She has four publications and is part of three professional organizations.

MATHEMATICS & PHYSICAL SCIENCES [MPS]

Andrea Arauza Rivera, Ph.D.,
Mathematics, UC, Riverside

CSU-LSAMP (California State University,
Stanislaus) [California]

Assistant Professor of Mathematics at
California State University, East Bay



Accomplishments:
Eugene-Cota Robles
Fellow at the University of
California, Riverside.
Latinx Diversity Fellow at
CSUEB. Lead Organizer of
the 2020 Pacific Math
Alliance Conference.

Edward Steven Jimenez, Ph.D., Applied
Mathematics, Univ. of Arizona

CSU-LSAMP (San Diego State University)
[California]

Principal Optical Engineer and Scientist at
Sandia National Laboratories



Accomplishments:
2019 National
Academy of
Engineers Frontiers
of Engineering
Conference

Attendee (100 invitations for early-
career scientists); 2 Lab Directed
Research and Development grants
(\$2M total); 2014 Great Minds in
STEM HENAAC Awardee for Most
Promising Scientist – Ph.D.; Inventor
for the world's first Hyperspectral
Computed Tomography for
Industrial and Security applications;
43 Patent disclosures in review;
39 Peer-reviewed publications.

Emilio Cardenas, Ph.D., Organic Chemistry,
Purdue University

CSU-LSAMP (California State University,
Fresno) [California]

Post-Doctoral Research Fellow, University
of Michigan, Ann Arbor, Dept. of Medicinal
Chemistry



Accomplishments: CSU-
LSAMP PROUD Scholar,
ACS Organic Chemistry
Outstanding
Undergraduate Research,
College of Science and

Mathematics Outstanding Undergraduate –
B.Sc. Chemistry, Purdue Doctoral
Fellowship, Bilisland Dissertation Fellowship,
Alice Watson Kramer Research Scholar
Award, 4 co-authored publications and 2
first co-authored publications in various
chemistry and medicinal chemistry
journals.

Josh Casara, Ph.D., Physics, UC Merced

CSU-LSAMP (California State University,
Stanislaus) [California]

Product Engineer, Lam Research
Corporation in Fremont, CA



Accomplishments: Recipient
of the President's
Dissertation Year Fellowship,
MACES Summer Graduate
Student Research Fellowship,
and Graduate Student
Summer Research Fellowship.

Contributed toward 5 publications in
various Scientific Journals. Now the product
lead on various projects aimed towards the
development of next generation hardware
for plasma etch chambers.

Anastasia Chavez, Ph.D., Mathematics, UC Berkeley

CSU-LSAMP (San Francisco State University) [California]

Post-Doctoral Scholar, Dept of Mathematics, UC Davis



Accomplishments: NSF-Alliances for Graduate Education and the Professoriate Fellowship 2014–2017; Ford Fellowship

Honorable Mention 2014; Chancellor's Fellowship for Graduate Study, UC Berkeley, Fall 2011–Spring 2016; Winner of the 2010 Society for Advancement of Chicanos/Hispanics and Native Americans in Science Graduate Student Scientific Symposia in Mathematics 2010; Research Initiative for Scientific Enhancement Scholarship, 2008–2009.

Cindy Pham, Ph.D., Chemistry, UC Davis

CSU-LSAMP (California State University, Long Beach) [California]

Senior Systems Integration & Test Engineer, Lockheed Martin Corporation



Accomplishments: Dr. Pham received the Graduate Assistant in Areas of National Need Fellowship at UCD. After receiving her Ph.D. in

Chemistry from UCD, she received a Postdoctoral Fellowship in Molecular Biophysics & Integrated Bio imaging at the Lawrence Berkeley National Laboratory in the Yano/Yachandra Group. She has 10 publications listed, and is currently a Senior Systems Integration & Test Engineer in the Missiles and Fire Control Department at Lockheed Martin Corporation.

Eduardo Montoya, Ph.D., Statistics & Applied Probability, UC Santa Barbara

CSU-LSAMP (California State University, Bakersfield) [California]

Associate Professor, Dept. of Mathematics. California State University, Bakersfield



Accomplishments: Faculty Professional Development Grant, CSUB Teaching and Learning Center, Fall 2015; Stabilizing generalized cross validation in a

functional data linear model, CSUB RCU, Spring 2014; Relative efficiency gains of monotone functional non-linear model, CSUB Research Council of the University (RCU), Spring 2011; CSUB Center for Climate Change and Carbon Sequestration, NSF (HRD-1137774), CSUB, Fall 2011;; Project NExT fellow, Mathematical Association of America, sponsor: American Statistical Association, 2009-2010

Andro Rios, Ph.D., Organic Chemistry, UC San Diego

CSU-LSAMP (California State University, Sacramento) [California]

Research Scientist, Blue Marble Space Institute of Science, NASA Ames Research Center



Accomplishments: Martin D. Kamen Prize for 2012-2013; Teaching Assistant Excellence Award; Graduate Diversity and Outreach Award; ACS Award for Outstanding Oral

Research Presentation; NSF GK-12 Graduate STEM Fellowship in K-12 Education; Molecular Biophysics Training Grant for 2007-2009; First Place, Undergraduate Biological and Agricultural Sciences; ACS Scholars Program.

OTHER [OTH]

Allison Renee Moreno, Ph.D., Earth Systems Science, UC Irvine

CSU-LSAMP (California State University, Monterey Bay) [California]

Postdoctoral Scholar, University of California Los Angeles, Marine Biogeochemistry



Accomplishments: NSF GRFP Fellow, UCI OCEANS Fellowship, UCI Chancellors' Club Fellowship; creator of a

new assay for ocean biogeochemistry; chemical oxygen demand. Co-founded two different scientific symposiums (1. Environmental Research Symposium at UC Irvine and 2. Southern California Biogeochemical Ocean Observations and Models (SoCal BOOM) Symposium.

Philip Cooksey, Ph.D., Robotics, Carnegie Mellon University

CSU-LSAMP (California State University, Monterey Bay) [California]

Sr. Technical Professional – Software Engineering for KBR working at NASA Ames, Mountain View, CA as a Robotics Engineer



Accomplishments: Currently working on the Distributed Spacecraft Autonomy (DSA) project and the Volatiles Investigating Polar Exploration Rover (VIPER), a Lunar Rover project.

Juan Mendoza, Ph.D., Molecular Biophysics, University of Texas Southwestern Medical Center

CSU-LSAMP BD I (San Francisco State University) [California]

Assistant Professor, University of Chicago, Dept. of Molecular Engineering & Dept. of Biochemistry and Molecular Biology



Accomplishments: As a postdoctoral scholar at Stanford University, his honors included a National Institutes of Health (NIH) National Cancer Institute Career Development Award, and prestigious

fellowships from the Helen Hay Whitney Foundation and the Damon Runyon Cancer Research Foundation.

Diana Azurdia, Ph.D., Molecular Biology & Biochemistry, UC Los Angeles

CSU-LSAMP (California State University, Los Angeles) [California]

Director for Recruitment & Inclusion for Graduate Programs in Bioscience



Accomplishments: Leads the development and implementation of a strategic plan to enhance diversity in the biomedical graduate student

population. Dr. Azurdia uses her platform as a National Research Mentoring Network (NRMN) Master Facilitator to promote inclusive mentoring practices at UCLA where she is the Director of the UCLA Entering Mentoring Training Program. Howard Hughes Science Education Fellow. Board of Directors for the SACNAS.

Louis Stokes California Alliance for Minority Participation

PI: Kim Wilcox, Ph.D. kim.wilcox@ucr.edu

Co-PIs:

Richard Cardullo, Ph.D. cardullo@ucr.edu
Brandon Brown, Ph.D. brandon.brown@medsch.ucr.edu
Star Lee, Ph.D. star.lee@ucr.edu



Institutional Partners:

University of California, Berkeley, CA
 University of California, Davis, CA
 University of California, Irvine, CA
 University of California, Los Angeles, CA
 University of California, Merced, CA

University of California, Riverside, CA
 University of California, Santa Barbara, CA
 University of California, Santa Cruz, CA
 University of California, San Diego, CA

Brandon Brown, MPH, Ph.D.

California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)

Associate Professor: University of California, Riverside Public Health]



Accomplishments:

Dr. Brown is the faculty director of CAMP at UC Riverside. He received a B.S. in Applied Mathematics from UC Irvine, earned a

MPH from UCLA in epidemiology and received his Ph.D. in International Health (Global Disease Epidemiology and Control) from Johns Hopkins University. He has over 100 publications but shares that he is prouder of the CAMP Scholars that continue to impress him with their intelligence, peer mentorship, drive to succeed and resilience.

Luis Bathen, Ph.D.

California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)

Research Staff Member: IBM Research, San Jose, CA [TECH]



Accomplishments:

Dr. Bathen has won numerous awards including the Great Minds in STEM Most Promising Engineer Award, Best Interactive Presentation Award from

DATE, and Best Paper Candidate at Codes+ISSS. In addition, Dr. Bathen has four software releases and 13 patents, earning him five IBM Invention Plateaus.

Florentine Rutaganira, Ph.D.

California Alliance for Minority Participation (LS-CAMP) (University of California, Davis)

HHMI Hanna Gray Postdoctoral Fellow, UC Berkeley Department of Molecular & Cell Biology [BIO]



Accomplishments:

Howard Hughes Medical Institute (HHMI) Hanna H. Gray Fellowship, 2017 – Present, Carl Storm Underrepresented Minority (CSURM) Fellowship recipient, Thematic Poster Award

in Chemical Biology, American Society for Biochemistry and Molecular Biology Poster Award in Chemical Sciences and four Publications – See [Google Scholar](#)

Andre Pinesett, MPH, M.D.

California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)

Anesthesia Clinical Instructor: University of California, San Diego [BIO]



Accomplishments:

Dr. Andre Pinesett completed his anesthesia residency at the University of California, San Diego and medical internship at Scripps Mercy. He is also an award-winning mentor and founder of

StudentTransformation.com, where he is on a mission to empower one million students.

Qyana Griffith, M.A., M.D.

California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)

Attending Psychiatrist – Traditions Behavioral Health [BIO]



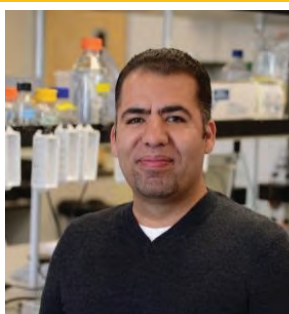
Accomplishments: Dr. Qyana Griffith was recently awarded the AMA Women Physician Section Inspirational Physician Award, Polished Diamond Award, and was voted the highest ranked resident by all attending and staff in the UCLA – San

Fernando Valley Psychiatry Residency Program. Further, she has received numerous national and societal grant awards. Dr. Griffith has five publications with the University of California Irvine, two of which were published as an undergraduate student.

Roberto Tinoco, Ph.D.

California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)

Associate Professor of Molecular Biology and Biochemistry: University of California, Irvine [BIO]



Accomplishments:

Dr. Roberto Tinoco's research interests include chronic diseases like HIV, Hepatitis B and C, and cancers that evade the immune system. He has over fourteen

publications and has received grants from the National Institute of Health, Melanoma Research Alliance, the Department of Defense, and the American Cancer Society Institutional Research Grant.

Michael Velez, M.D.	Michael Cervantes, DDS
California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)	California Alliance for Minority Participation (LS-CAMP) (University of California, Riverside)
Anesthesiologist: Whittier, CA [BIO]	Adjunct Assistant Prof, Dental Education Services Loma Linda University School of Dentistry (Loma Linda, CA) [BIO]
 <p>Accomplishments: Dr. Michael Velez received his B.S. in Biological Sciences from UC Irvine. He invented a medical device and has licensed it to a company. The device will be in clinical practice soon. He has three granted US patents associated with this device. US patents (US10573150, US10269225, US9773393)</p>	 <p>Accomplishments: Dr. Michael Cervantes received his B.S. at UC Riverside and DDS from Loma Linda University School of Dentistry. He was part of a research team project for Factors Influencing Oral Health Disparities in the Inland Empire selected to present at the ADEA.</p>
Jesse Vargas, Ph.D.	Mirelle Kamariza, Ph.D., Society of Fellows
California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)	California Alliance for Minority Participation (LS-CAMP) (University of California, San Diego)
Head of Biology: Cleave Therapeutics, San Francisco, CA [BIO]	Junior Fellow at the Society of Fellows at Harvard University (Cambridge, MA) [BIO]
 <p>Accomplishments: Dr. Jesse Vargas is spearheading efforts in drug discovery oncology and neurodegenerative diseases for Cleave Therapeutics, a biotech company. He is responsible for all aspects of preclinical research and discovery for small molecule inhibitors of key cellular stress response pathways for therapeutic use in oncology and neurodegenerative diseases, with a current focus on hematology/oncology indications. Dr. Vargas has authored nine publications.</p>	 <p>Accomplishments: Earned Ph.D. in Biology at Stanford University developing a new diagnostic technology for the rapid and simple detection of tuberculosis (TB) at the point-of-care. Her work was translated into a public benefit corporation and, as a co-Founder of OliLux Biosciences, Inc. - a company dedicated to providing low-cost, portable and reliable diagnostic devices in low-resource settings. She earned her M.S. from UC Berkeley Molecular and Cell Biology and B.S. from UC San Diego in Biochemistry and Chemistry.</p>

<p>Angela Brooks, Ph.D.</p>	<p>Daniel Orosco, O.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, San Diego)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Santa Barbara)</p>
<p>Assistant Professor of Biomolecular Engineering at UC Santa Cruz (Santa Cruz, CA) [BIO]</p>	<p>Emergency Medicine Specialist at St. John's Regional Medical Center, Oxnard CA [BIO]</p>
<div data-bbox="147 380 399 680" data-label="Image"> </div> <p>Accomplishments: Key researcher in the Pan-Cancer genome mapping project, Postdoctoral Fellow at the Dana-Farber Cancer Institute/Broad Institute, Ph.D. in Molecular and Cell Biology at UC Berkeley, B.S., Biology with Specialization in Bioinformatics at UC San Diego. The Scientist One to Watch, University of California, Santa Cruz Women in Science and Engineering.</p>	<div data-bbox="846 380 1097 680" data-label="Image"> </div> <p>Accomplishments: Graduated with honors from Arizona College of Osteopathic Medicine Mid-Western University.</p>
<p>Thomas Gonzelez, Ph.D.</p>	<p>Gabriel Martinez-Santibanez, Ph.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Santa Barbara)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Santa Barbara)</p>
<p>Postdoctoral Research Fellow at Baylor College of Medicine, Houston TX [BIO]</p>	<p>Senior User Researcher at IBM Watson Health Imaging, Cambridge MA [BIO]</p>
<div data-bbox="155 1161 399 1419" data-label="Image"> </div> <p>Accomplishments: Earned Ph.D. at the University of Michigan School of Public Health. He was also a NIH Environmental Toxicology and Epidemiology Training Program Fellow with four publications in scientific journals.</p>	<div data-bbox="850 1184 1094 1419" data-label="Image"> </div> <p>Accomplishments: Earned Ph.D. at the University of Michigan Medical School followed by a postdoctoral fellowship at Harvard Medical School. He was the winner of the Best Mental Health Hack by MIT Hacking Medicine Grand Hack which provided \$20K startup seed funds, 16 publications in scientific journals.</p>

<p>Nzola De Magalhães, Ph.D.</p>	<p>Jose Guadarrama, M.S.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Merced)</p>
<p>Chief Executive Officer: Jsuru Therapeutix, Inc., Southern California [ENG]</p>	<p>Senior Propulsion Engineer at Lockheed Martin. [ENG]</p>
<div data-bbox="151 342 394 705" data-label="Image"> </div> <p>Accomplishments: Dr. Magalhães is the founder and CEO of a biotechnology and drug development startup company, developing diagnostic tools and targeted therapies against multi-drug resistant cancers. She has been the recipient of fellowships from NSF-AGEP, NIH, and UNCF/MERCK. Dr. Magalhães was a postdoctoral scholar at the University of California, San Diego and has authored 14 publications.</p>	<div data-bbox="852 354 1086 646" data-label="Image"> </div> <p>Accomplishments: M.S. in Mechanical Sciences and Engineering at University of Illinois at Urbana-Champaign, B.S. in Mechanical Engineering at UC Merced. SURGE Fellow at the University of Illinois at Urbana Champaign and three publications in scientific journals.</p>
<p>Krystal Cunningham, Ph.D.</p>	<p>Gaby Baylon, Ph.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Merced)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, San Diego)</p>
<p>Senior Multi-disciplined and Process Engineer at Raytheon [ENG]</p>	<p>Postdoctoral Scholar at UC San Francisco (San Francisco, CA). [ENG]</p>
<div data-bbox="151 1169 404 1461" data-label="Image"> </div> <p>Accomplishments: Ph.D. in Materials Science and Engineering at UCLA, B.S. in Material Science and Engineering at UC Merced. She was a Metallurgical Engineering Intern at Arconic and Alcoa, Andrew W. Mellon Junior Research Fellow, and is in the process of publishing three articles.</p>	<div data-bbox="852 1169 1086 1400" data-label="Image"> </div> <p>Accomplishments: Gaby did her Ph.D. studying the role of osmotic swelling in articular cartilage and meniscal fibrocartilage tissue mechanics and structure. Gaby was awarded several fellowships including the NSF Graduate Research Fellowship, Stanford Bio-X, Achievement Rewards for College Scientists (ARCS) and a Sloan Ph.D. Fellowship. In 2013 Gaby received the Graduate Student Role Model SHPE Technical Achievement Recognition (STAR) Award, the highest award given to a student for their selfless and outstanding contributions to the Hispanic community.</p>

<p>Alexander Finch, M.S.</p>	<p>Ricardo Alamillo, Ph.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, San Diego)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Santa Barbara)</p>
<p>Co-Founder and President of Tri-D Dynamics (Los Angeles, CA) [ENG]</p>	<p>Senior Process Development Engineer at Apeel Sciences, Santa Barbara CA [ENG]</p>
<p> Accomplishments: Co-founded Tri-D Dynamics to pursue Cold Metal Fusion in additive manufacturing with over \$1 million in funding, Masters in Aerospace, Aeronautical and Astronautical Engineering at Purdue University, part of a team to build the first 3-D printed rocket engine at University of California San Diego, NACME Scholar.</p>	<p> Accomplishments: Received doctorate in chemical engineering at the University of Wisconsin-Madison. NSF Graduate Research Fellowship, seven publications in scientific journals. He is currently developing and scaling-up continuous chemical production and with a diverse team of chemist, material scientist, and biologist in designing sustainable chemical processes.</p>
<p>Eduardo Valle, M.S.</p>	<p>Jonathan Compton, Ph.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, San Diego)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Santa Barbara)</p>
<p>Ph.D. Candidate at Stanford University (Palo Alto, CA). [ENG]</p>	<p>Instructor of Engineering at Antelope Valley College, Lancaster CA [ENG]</p>
<p> Accomplishments: DARE: Diversifying Academia, Recruiting Excellence Fellow, NSF Graduate Research Fellowships Program Fellow, work focuses on production of alternative and sustainable fuels Magna Cum Laude, NACME Scholar, Research Presentation Award, McNair Scholar, Outstanding Student Scholarship, Robert N. Chang Scholarship, five publications.</p>	<p> Accomplishments: As an instructor, has increased student success and retention by 10% at Antelope Valley College, awarded the National Institute of Biomedical Imaging and Bioengineering Research Supplement to Promote Diversity in Health-Related Research, two publications in scientific journals and one patent.</p>

<p>Francisco Sarabia, Ph.D.</p>	<p>Christopher Lugo, Ph.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Davis)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Riverside) [MPS]</p>
<p>Senior Forensic Analytical Chemist, University of Georgia, Department of Chemistry, [MPS]</p>	<p>Assistant Professor of Chemistry, Norco College (Norco, CA) [MPS]</p>
<div style="display: flex;">  <div> <p>Accomplishments: NIH Postdoctoral Intramural Research Training Award (IRTA) Fellowship. Three publications</p> </div> </div>	<div style="display: flex;">  <div> <p>Accomplishments: Earned a Ph.D. in Chemistry from the University of California Riverside. Christopher was an active member of CAMP and continues his support of underrepresented students at the community college where he currently teaches chemistry.</p> </div> </div>
<p>Indara Suarez, Ph.D.</p>	<p>Renee T. Williams, Ph.D., MBA</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Los Angeles)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Irvine)</p>
<p>Professor of Physics, Boston University (Massachusetts) [MPS]</p>	<p>Senior Manager: Business Strategy and Operations, Infectious Diseases Therapeutic Area, Janssen BioPharma (San Francisco, CA) [MPS]</p>
<div style="display: flex;">  <div> <p>Accomplishments: Dr. Suarez is an assistant professor in the Department of Physics at Boston University. She completed her doctorate at Texas A&M University and is a member of the Compact Muon Solenoid (CMS) Collaboration at the Large Hadron Collider (LHC) where she worked on searches for new heavy particles and studied associated production of the newly discovered Higgs Boson with W bosons. She is also a former NSF Graduate Research Program Fellow and UC President's Postdoctoral Fellow at UCSB. In addition to research and teaching, she actively participates in science outreach efforts to increase the participation of traditionally underrepresented populations in STEM fields.</p> </div> </div>	<div style="display: flex;">  <div> <p>Accomplishments: Dr. Williams earned a BS in Chemistry from UC Irvine, then was awarded the LSAMP Bridge to the Doctorate Fellowship for her MS from California State University, Los Angeles. Additionally, she received her Ph.D. in Chemistry from UC Riverside, and an MBA from both Cornell Johnson Graduate School of Management and Smith School of Business at Queen's University. Dr. Williams' accomplishments include serving as a member of the board of directors for ReImagine Science (2020), being Founder and CEO of BioTune Computations, and being a foster parent.</p> </div> </div>

<p>Maggi Metry, Ph.D.</p>	<p>Brian McVerry, Ph.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Riverside)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Santa Barbara)</p>
<p>Organic Chemist/Material Scientist at Lawrence Livermore National Laboratory (Livermore, CA) [MPS]</p>	<p>Chief Scientific Officer at Hydrophilix, Los Angeles CA [MPS]</p>
<div data-bbox="147 411 391 655">  </div> <p>Accomplishments: Dr. Magi received her B.S. and doctorate in Organic Chemistry at UC Riverside where she served as an officer in the undergraduate CAMP Program and GSA. She has over 16 publications within the organic chemistry field with special emphasis in information technology and services industry.</p>	<div data-bbox="854 411 1097 655">  </div> <p>Accomplishments: NSF Graduate Research Fellowship, NSF Clean Energy for Green Technology Fellow, National Collegiate Invention Competition Finalist, three publications in materials chemistry journals.</p>
<p>Christina Rodriguez, Ph.D.</p>	<p>Sebastian Ayala, M.D.</p>
<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Santa Barbara)</p>	<p>California Alliance for Minority Participation (LS-CAMP) (University of California, Davis)</p>
<p>Ink Chemist at Hewlett Packard Enterprises, San Diego CA [MPS]</p>	<p>UC Davis School of Medicine – Anesthesiology Resident, UC Davis Health, [OTH]</p>
<div data-bbox="147 1117 391 1390">  </div> <p>Accomplishments: Earned her doctorate at the University of Texas at Austin in chemical engineering. She received the NSF Graduate Research Fellowship and has six publications in polymer chemistry journals.</p>	<div data-bbox="854 1117 1097 1390">  </div> <p>Accomplishments: Earned B.S. in biology at UC Davis prior to attending UC Davis School of Medicine. T35 Grant Recipient, Arthur Johnson Scholarship Recipient, MSRF Grant Recipient. First generation American and first in family to receive an M.D. degree.</p>

**Peach State
Louis Stokes Alliance for Minority Participation
Georgia**

PI: Jere W. Morehead, JD president@uga.edu



Co-PIs:

Michelle Cook, Ph.D. mgcook@uga.edu

Karen DeMeester, Ph.D. karend@uga.edu

William Kisaalita, Ph.D. williamk@engr.uga.edu

Institutional Partners:

Fort Valley State University

Georgia Institute of Technology

Georgia State University Perimeter College

Kennesaw State University – Kennesaw Campus

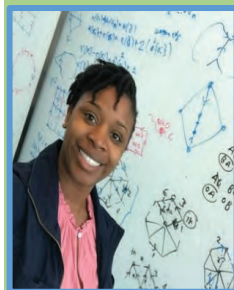
Kennesaw State University – Marietta Campus

Savannah State University

Shanise Walker, Ph.D., Assistant Professor,
University of Wisconsin-Eau Claire, WI

(Georgia) Peach State LSAMP (University of
Georgia)

First African American recipient of a Ph.D.



**Degree in Mathematics at
Iowa State University. The
first recipient of the Vicki
Lord Larson and James
Larson Tenure-track Time
Reassignment
Collaborative Research
Program Award at UWEC**

Margaret Akinhanmi, Ph.D., Health Policy Leadership Fellow

(Georgia) Peach State LSAMP (University of Georgia)

Health Policy Analyst & Research Fellow with the Satcher Health Leadership Institute at Morehouse School of Medicine



Accomplishments: Selected as a *Featured Force for Science* by the American Association for the Advancement of Science (AAAS), Acknowledged within

Top 25% of trainee abstract submissions at the National Clinical & Translational Science Meeting, National Association for Clinical and Translational Science Graduate Trainee, Mayo Clinic Graduate School Dean's Fellowship Award, 2 national conference travel awards, 3 oral presentation awards, & 4 peer-reviewed publications related to health disparities.

Turquoise C. Alexander-Perlote, Ph.D., United States Department of Agriculture, Jackson, MS

(Georgia) Peach State LSAMP (Fort Valley State University) NSF LSAMP Bridge to the Doctorate (Jackson State University)

Natural Resource Specialist at USDA-NRCS and NRCS Coordinator Southeast Leadership Development Program, Jackson MS.



Accomplishments: Received the National Science Foundation Louis Stokes Mississippi Alliance for Minority Participation Bridge to Doctorate (NSF-LSAMP-BD) fellowship to complete her master's degree in Biology at Jackson State

University. She later received funding from Title III and National Oceanic and Atmospheric Administration (NOAA) to support her doctoral studies. She has published several editorial reviews, peer-reviewed articles and a book chapter of her dissertation research.

Chidi I. Amah, M.D., Resident, Atlanta, GA

(Georgia) Peach State LSAMP (Kennesaw State University – Kennesaw Campus)

Made the Dean's list and graduated from Meharry Medical College in Nashville, TN in 2019.



Accomplishments:

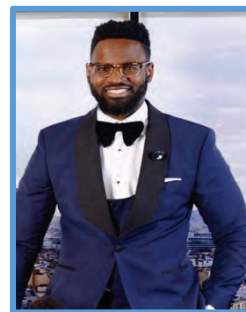
Received his M.D. from the Meharry Medical College, and was awarded the The Walter J. Riley, M.D., '64 Family Endowed Scholarship in 2019. Prior

the medical school, he received a BS degree in biology from Kennesaw State University. Originally from Houston, Texas.

Melvin O. Atueyi, PharmD., Pharmacist, Kaiser Permanente, Baltimore MD

(Georgia) Peach State LSAMP (University of Georgia)

Area Champion of Clinical Initiatives, KPMAS and Oversee pharmacy operations at the Baltimore Harbor and South Baltimore Medical Centers.



Accomplishments:

Pharmacist's Pharmacist Award, Notre Dame of Maryland University. Maryland Pharmacist Association; American Pharmacist Association; Area Champion of Clinical

Initiatives, KPMAS. Oversee pharmacy operations at the Baltimore Harbor and South Baltimore Medical Centers. Implement policies and procedures relating to professional practice standards.

Shantonio W. Birch, Ph.D. Candidate, Mechanical Engineering, University of Michigan, Ann Arbor, MI

(Georgia). Peach State LSAMP (Georgia Perimeter College and Georgia Institute of Technology)

Current GEM Fellow (2019) at the University of Michigan, Ann Arbor. Three journal publications are currently in progress.



Accomplishments: Doctoral Candidate in Mechanical Engineering at the University of Michigan, Ann Arbor, where he is researching efficient ways for harvesting waste heat

using thermoelectric generators. As Shantonio transitions into his final stages of his Ph.D. studies, he hopes to continue his research endeavors at a national research facility.

Sherri B. Briggs, Ph.D. Postdoctoral Research Associate at Georgia State University's Neuroscience Institute, Atlanta, GA (Georgia) Peach State LSAMP (Fort Valley State University)

First African American to graduate from the University of Georgia with a Ph.D. in Neuroscience (2014)



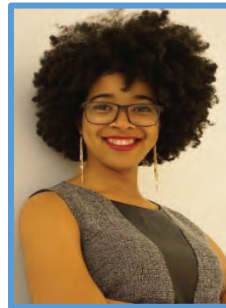
Accomplishments: Recipient of the Michael A. Johnson Graduate Fellowship, the Alfred P. Sloan Fellowship, the University of Georgia's Graduate School Research Fellowship, the James H.

Porter Scholarship and the Presidential Scholarship. Former President, Vice President, Treasurer, Research Festival Co-chair, Career & Professional Development Chair of Scripps Research Institute's Society of Research Fellows. Mentees on the Move Mentor, School District of Palm Beach County. Ten research publications.

Maya Carrasquillo, Ph.D. Candidate, Environmental Engineering, University of South Florida, Tampa, FL

(Georgia) Peach State LSAMP (Georgia Institute of Technology)

GEM and McKnight Doctoral Fellow, as well as an Alfred P. Sloan Minority Graduate Scholar. Will complete Ph.D. August 2020 and begin working as a water engineer and consultant with Arcadis



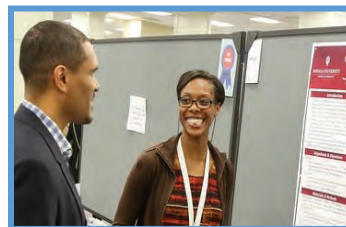
Accomplishments: Notable accomplishments include being a recipient of the GEM Fellowship, McKnight Doctoral Fellowship, and being an Alfred P. Sloan Minority Graduate Scholar, and an NSF Collaborative Research Trainee at USF.

Maya is also a certified Envision Sustainability Professional and has done community-based research at the intersection of environmental justice, urban water management and sustainable development.

Kimberly Collins, Ph.D., Assistant Research Scientist, Indiana University School of Medicine, [DMS/NIGMS], Indianapolis, IN

(Georgia) Peach State LSAMP (Fort Valley State University)

Past-Chair of the Webinar Committee for the American Society of Clinical Pharmacology & Therapeutics with 1 patent, 2 grants and 18 publications in journals.



Accomplishments: Completed PhD in Pharmacology, Certificate in Clinical Research, and American

Board of Clinical Pharmacology Training Program at Indiana University School of Medicine. Recipient of over 20 awards including the Adam W. Herbert Graduate Fellowship, Southern Regional Education Board Doctoral Scholar, K.K. Chen Fellowship in Pharmacology & Toxicology, Diversity Emissary Award, and several top abstract awards.

Eric Corbett, Ph.D., Post-doctoral Fellow NYU, Brooklyn, NY

(Georgia) Peach State LSAMP (Savannah State University) and Bridge to the Doctorate Fellowship (University of Maryland, Baltimore County)

Smart Cities Presidential Postdoctoral Fellow at NYU's Center for Urban Science and Progress with 8 publications in top Human-Computer Interaction Conferences



Accomplishments: Completed his Ph.D. in Digital Media at Georgia Institute of Technology in 2020, under advisor, Dr. Christopher Le Dantec. Received the following awards: 2019 GEM Ph.D.

Science Fellowship; 2018 Microsoft Dissertation Grant; 2015 Southern Regional Education Board Doctoral Fellowship and 2012 National Science Foundation Bridge to the Doctorate Fellowship. Has 8 publications.

Rosa L. Cromartie, Ph.D. Candidate, Chemistry, Florida International University, Miami, FL

(Georgia) Peach State LSAMP (University of Georgia) and LSAMP BD Fellow Florida-Georgia LSAMP (Florida International University).

NSF LSAMP Bridge to the Doctorate and McKnight Doctoral Fellow with one journal publication at Florida International University, Miami, FL.



Accomplishments: Recipient of NSF LSAMP Bridge to the Doctorate Fellowship, McKnight Doctoral Fellowship, semi-finalist of the Department of Defense

SMART Scholarship, Outstanding President of the Forensic Science Graduate Student Organization, and one publication in the Royal Society of Chemistry Journal.

Anquilla V. Deleveaux, M.D., Morehouse School of Medicine Obstetrics & Gynecology Residency, Atlanta, GA

(Georgia) Peach State LSAMP (University of Georgia)

President of Medical Students for Choice, an International group advocating for women's reproductive rights and justice, health education, family planning, health advocacy and medical school curriculum reform.



Accomplishments:

Morehouse School of Medicine Annual Fund Scholarship, (2017-2018); Margaret Mitchell Scholarship, (2016-2017); Health 1st Scholarship], (2016-2017); M Delmar Edwards Scholarship, (2015-2016); Friends of Valerie Montgomery Scholarship], (2015-2016); CURO Research Thesis Distinction Scholar - University of Georgia, (2014-2015); and CURO Research Scholar, (2014-2015).

Noel Gardner, Ph.D., Chemistry Professor and Natural Science Chair, Hinds Community College, Jackson, MI

(Georgia) Peach State LSAMP (Fort Valley State University)

Principal and Co-Principal Investigator of multiple grants



Accomplishments:

Recipient of the NASA Faculty Fellowship (received the fellowship twice) and worked on the NASA Fingerprinting Program, Principal Investigator for the NASA Community College Aerospace Program, Three publications in The International Journal of Research and Educational Perspectives, Journal of Molecular Modeling and Journal of Structural Chemistry.

Alexander Gilmore, M.D., Resident, Levine Children's Hospital, Charlotte, NC

(Georgia) Peach State LSAMP (Kennesaw State University)

Currently in a pediatrics residency program with Atrium Health at Levine Children's Hospital (LCH) at Carolinas Medical Center (CMC) in Charlotte.



Accomplishments: Received his M.D. from the Medical College of Georgia, and a BS degree in biology from Kennesaw State University. His travel to India helped to fuel his dreams of international medicine in

pediatrics. He was born and raised in Livingston, NJ.

Stephen Gitau, PharmD, Pharmaceutical Care Pharmacist, Atlanta, GA

(Georgia) Peach State LSAMP (Kennesaw State University-Kennesaw Campus)

Responsible for the coordination of pharmacy services. Provides consultative and clinical services, including antibiotic dosing of vancomycin and aminoglycosides, initial Coumadin dosing, renal dosing, and IV-to-PO conversions.



Accomplishments: Completed his Doctor of Pharmacy at Lipscomb University. A background in providing distributive services. Responsible for adhering to the Federal

Pharmacy Law and practicing within the guidelines of Georgia State Pharmacy Law and in good standing with the Georgia board of pharmacy. Brings to the table six years of pharmacy experience. Excellent track record of maintaining positive relationships with patients, coworkers, medical professionals, drug vendors, and insurance providers.

Albreia Hall, D.M.D., Byron Family Dentistry, Byron, GA

(Georgia) Peach State LSAMP (Fort Valley State University in Fort Valley)

General Dentist developing personalized intervention plans to promote good oral health in Georgia.



Accomplishments:

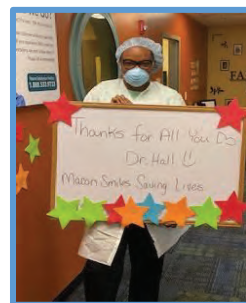
Received a Doctorate of Dental Medicine from the Dental College of Georgia in Augusta, GA (May, 2018); a Master's of Science in Biology from Georgia State University in Atlanta, GA (December, 2013);

and a Bachelor's of Science in Biology Fort Valley State University, – Fort Valley, GA (May, 2012). Dr. Hall is currently an active member of the American Dental Association and Georgia Dental Association.

Tenecia Hall, D.M.D., Associate Dentist, Macon, GA

(Georgia) Peach State LSAMP (Fort Valley State University)

Practicing general dentistry in Macon, Georgia as a licensed dentist for 5 years.



Accomplishments:

Presidential scholar at Fort Valley State University. 3 time Intern at the National Science Foundation's National Alliance for Doctoral Studies in the Mathematical Sciences

Summer Research Experience for Undergraduates in conjunction with the University of Iowa, Department of Biostatistics. United Concordia Scholarship award recipient. Recipient of the Regional Leadership Award for GEO-TEX Above and Beyond Award.

Marcus Herndon, Ph.D., Senior Mechanical Engineer, MITRE Corporation, Bedford, MA

(Georgia) Peach State LSAMP (Kennesaw State University-Marietta Campus) and (Florida) Florida Georgia LSAMP BD (Florida International University)

Founder of the party game Choosin, USA, LLC; Producer and hip-hop lyricist by name of MARC.MADE.



Accomplishments: Earned Ph.D. in Mechanical Engineering from Florida International University under

various graduate fellowships including NSF Bridge to the Doctorate, GEM, McKnight Doctoral, Delores A. Auzenne, and Start-Up FIU fellowships, and the Lion Battery Technologies Inc. grant. Dr. Marcus Herndon also co-authored multiple publications. .

Marcus Hines, Marcus Hines, Ph.D., MD Candidate, New York University Grossman School of Medicine c/o 2021, New York City, NY (Georgia) Peach State LSAMP (University of Georgia)

Adjunct Professor in Biological Sciences at Borough of Manhattan Community College (New York).



Accomplishments: Received a PhD Degree in Pathology (Immunology) at NYU Sackler Program of Graduate Sciences. NYU Presidential Service Award (Individual) – Spring 2017, NYU School of Medicine

Office of Diversity Leadership Award – Spring 2016. 2 publications (Cell Reports 2016, Journal of Immunology 2018), 1 submitted publication.

Shaleta S. Holmes, Ph.D., Senior Clinical Research Associate, IQVIA – Remote (Georgia) Peach State LSAMP (Savannah State University)

Evaluates the quality and integrity of study site practices related to the proper conduct of the protocol and adherence to applicable regulations. Escalate quality issues to Project Manager (PM), Clinical Lead (CL) and/or Resource Manager (RM). She has more than 5 publications and numerous oral presentations.



Accomplishments: Started at IQVIA in July, 2018 as a Clinical Research Associate II, and promoted to Senior Clinical Research Associate in August, 2019. Honors and Awards include

American Physiological Society: Physiology and Gender Travel Award in November 2015; and NIH Neurobiology of Aging (NBA) Training Grant T32, June 2013 – December 2015. An Associate Member of Sigma Xi since 2014.

Edidiong Inyang, Ph.D., Bioengineering Post-Doctoral Researcher, University of Texas at Arlington, Arlington, TX

(Georgia) Peach State LSAMP (Fort Valley State University) Bridge to the Doctorate-University of Texas at Arlington

Holds a provisional Patent for drug combination and nano-delivery to the brain endothelium.



Accomplishments: Recipient Drs. Alfred and Janet Potvin Award, The Pickett Award, The Scientist Mentoring Diversity Program (SMDP)

Award and the GAANN Fellowship. Member of Beta Kappa Chi Honor Society (BKX), and the National Society of Black Engineers (NSBE). Published a paper on the restoration of brain endothelium post traumatic brain injuries (TBI) in Nature Scientific Reports and the most recent discovery in drug combination and Nano-delivery to the brain endothelium led to a provisional patent.

Whitney Ingram, Ph.D., Senior Member of Technical Staff, Sandia National Laboratories, Albuquerque, NM

(Georgia) Peach State LSAMP (University of Georgia)

First Black female to graduate from the University of Georgia with a Ph.D. in Physics (2016) and join an elite group of fewer than 100 Black women who have Ph.D.'s in physics in the United States.



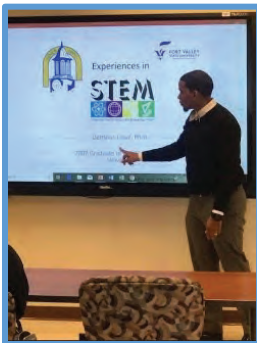
Accomplishments: Science Graduate Research Fellowship with the Department of Energy and a fellowship with the Southern Regional Education Board. Ingram was also

one of 65 U.S. students selected to attend the annual Nobel Laureate Conference in Lindau, Germany.

Derrious Lowe, Ph.D., Chemist, Southeast Food and Feed Laboratory (SFFL), Atlanta, GA

(Georgia) Peach State LSAMP (Fort Valley State University)

Supporting the Food and Drug Administration's (FDA) mission to protect the public health and to create new knowledge in the field of regulatory science.



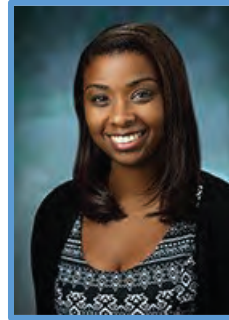
Accomplishments: Excellence in Public Health Protection (Domestic) Award, Oak Ridge Institute for Science and Education (ORISE) Fellowship, MBRS RISE Research Assistantship, and NSF Research

Fellowship. Supporting the Food and Drug Administration's (FDA) mission to protect the public health and to create new knowledge in the field of regulatory science.

Bianca Mondesir, MD, Emergency Medicine Physician, Atlanta, GA

(Georgia) Peach State LSAMP (Kennesaw State University-Kennesaw Campus)

Emergency medicine specialists diagnose and treat patients with life-threatening conditions like heart attack, drug overdose, shock, or massive bleeding.



Accomplishments:

Received her M.D. from Morehouse School of Medicine, where she developed a passion for caring for an underserved population of people in a major city. She completed her residency at John

Hopkins Emergency Medicine Residency program. Born and raised in Long Island, New York, and attended college at Kennesaw State University in Georgia, where she majored in biology, graduating summa cum laude.

Randy Montgomery, JD, Patent Attorney, Ballard Spahr LLP, Atlanta, GA

(Georgia) Peach State LSAMP (Georgia Perimeter College)

Patents ideas with inventors, engineers and entrepreneurs relating primarily to electronics, communications, software, and machine learning.



Accomplishments:

Obtained a Bachelor of Science Degree in Electrical Engineering from Georgia Institute of Technology, and a law degree from Georgia State College

of Law. He states that: "Peach State LSAMP allowed me to be involved in research and experiences that are not routine for students that look like me. The involvement with the program enabled me to excel beyond societal barriers and hone my vision for success. "

Daniel Piqué, Ph.D., MD Candidate, Albert Einstein College of Medicine, Bronx, NY

(Georgia) Peach State LSAMP (University of Georgia)

First Hispanic MD/PhD student to successfully defend Ph.D. Thesis in Dept. of Systems and Computational Biology at Einstein.



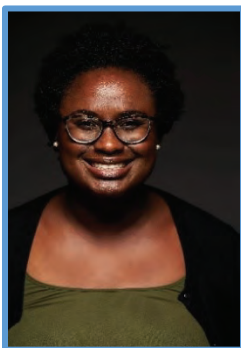
Accomplishments: Completed Ph.D. thesis in 3 years. First Hispanic M.D. /Ph.D. student to successfully defend Ph.D. in Dept. of Systems and Computational Biology

at Einstein. Will graduate from M.D. /Ph.D. program in May 2020. Matched to pediatrics residency at Univ. of California, San Francisco. During graduate school, published 2 first author papers, 2 coauthored papers, and 2 peer-reviewed software packages.

Shelina Ramnarine, Ph.D., Senior Manager, Janssen Business Development Diagnostics & Enabling Technologies Janssen Pharmaceuticals in NJ

(Georgia). Peach State LSAMP (University of Georgia)

Honored as the New Jersey Tech Council 2018 Innovator to Watch.



Accomplishments: The first African American recipient of the Ph.D. Degree in Human and Statistical Genetics from Washington University in St Louis 2016. Five publications. Honorable Mention 2011 NSF

Graduate Research Fellowship Program.

Jessica Simpson, Ph.D., Associate Director of Ronald E. McNair Scholars Program, Fort Valley State University, Fort Valley, GA

(Georgia). Peach State LSAMP (Fort Valley State University in Fort Valley)

Currently is an Administrator at her alma mater, FVSU. Founder and Owner of Suddly Soaps Homemade Bath and Skincare.



Accomplishments: The recipient of the Ph.D. Degree in Chemistry-Polymer Concentration at Louisiana State University in Baton Rouge, LA, The first NSF EAPSI Fellowship recipient in the

department of Chemistry at Louisiana State University, NOBCChE Winifred Burke-Houck Graduate Leadership Award, AAAS CASE Ambassador, four scientific peer-reviewed publications, former ACS Scholar recipient.

Ukachi I. Ugorji, DVM, Associate Veterinarian, Craig Road Animal Hospital, Las Vegas, NV

(Georgia) Peach State LSAMP (University of Georgia)

Upholds a high standard of veterinary medical care through the implementation of exemplary preventative medicine and client education.



Accomplishments: Completed a Doctorate of Veterinary Medicine from The University of Georgia College of Veterinary Medicine. Received the following awards: Certificate of International

Agriculture from The University of Georgia College of Agriculture; Smithsonian Institution Minority Awards Fellowship (Smithsonian Conservation Biology Institute);

Alabama Louis Stokes Alliance for Minority Participation Alabama

PI: Kevin Whitaker, Ph.D. kwhitaker@ua.edu

Co-PIs:

Dr. Viola L. Acoff – vacoff@eng.ua.edu

Dr. Joan Barth – jbarth@ua.edu



Institutional Partners

Alabama A&M University	The University of Alabama
Miles College	The University of Alabama at Birmingham
Oakwood University	The University of Alabama in Huntsville
Stillman College	University of South Alabama
Talladega College	

Christopher Hoffman, M.D.
Psychiatry (Alabama)

Alabama LSAMP
The University of Alabama in Huntsville

U.S. Air Force - Captain
MC Medical Director [OTH]
ADAPT PM / Staff Psychiatrist



Accomplishments:

Member of the American Board of Psychiatry and Neurology Certified Psychiatrists, United States Air Force Captain, Staff Psychiatrist, Program Manager for Alcohol and Drug Abuse Prevention and Treatment.

Ashiya Buckels, Ph.D.
Cancer Biology (Alabama)

Alabama LSAMP
The University of Alabama in Huntsville

Field Representative / Liaison [OTH]
Third Channel, Tampa / St. Petersburg



Accomplishments:

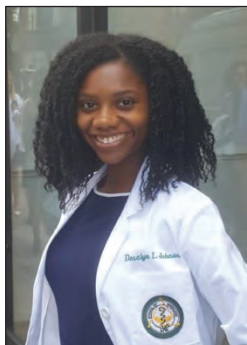
Summer project selected for presentation at ABRCMS National Conference, selected to present research findings at summer commencement ceremony, Scientific Research

for Merck in Boston Massachusetts. 15 research publications

Desalyn Johnson
Biological Science (Alabama)

Alabama LSAMP
The University of Alabama in Huntsville

Medical Student [BIO]
The University of Alabama at Birmingham
Birmingham, AL



Accomplishments:
COS Highest Undergraduate Achievement Award, Dean's Service Award, UAH Martin Luther King Jr. Award, Distinguished Student Leader in a Multicultural Organization, Co-Founder/Co-President of Honors Diversity Student Initiative program, College of Science Ambassador, Office of Diversity Equity and Inclusion Ambassador, Honors College Dean's List, College of Science Dean's List, RCEU Scholar, Alpha Epsilon Delta Member, Honors Junior Service Award and ANSEP Conference State of Alabama representative.

Kimberly Green Hobbs, Ph.D.
Biotechnology Science and Engineering (Alabama)

Alabama LSAMP
The University of Alabama in Huntsville

Assistant Professor [BIO]
The University of Alabama in Huntsville
Huntsville, AL



Accomplishments:
Graduate Research Assistant at HudsonAlpha Institute for Biotechnology, member of the UAH Minority Graduate Student Association, and the American Association for University Women.

Joy Agee McDaniel, Ph.D.
Biotechnology Science and Engineering (Alabama)

Alabama LSAMP
The University of Alabama in Huntsville

Postdoctoral Fellow at the University of Texas MD Anderson Cancer Center [BIO]
Texas



Accomplishments:
Graduate Research Assistant at HudsonAlpha Institute for Biotechnology, profiled in the Clinton Global Initiative National newsletter, Morehouse/Spelman Professional Network member of Alpha Kappa Alpha, Inc., Phi Beta Kappa, the American Association for University Women, the Gates Millennium Scholars Program, Leadership Huntsville/Madison County, and the UAH Alumni Association.

Kathryn T. Picard, Ph.D.
Biology (North Carolina)

Alabama LSAMP
The University of Alabama

NSF Postdoctoral Fellow [BIO]
Smithsonian Institution
Washington, D.C.



Accomplishments:
Ten refereed and 2 non-refereed publications, NSF Postdoctoral Research Fellowship, Bass Instructional Fellowship, Stern Dissertation Fellowship, Mycological Society of America Research Fellowship, NSF Graduate Research Fellowship, Ford Foundation Pre-Doctoral Fellowship, and research support for multiple NSF and Smithsonian Institution initiatives.

Maria Torres, M.D.
Chemistry and Biology (Alabama)

Alabama LSAMP
The University of Alabama in Huntsville

Medical Resident [BIO]
Redmond Regional Medical Center
Rome, GA



Accomplishments:

Duke University School of Medicine summer intern, recipient of the Cancer Research Training Award at the National Institutes of Health, member of Phi Kappa Phi, Alpha Lambda Delta, Phi Sigma Iota, Omicron Delta Kappa,

Hispanic Christian Ministry, American Chemical Society, NASA summer intern recipient, Minority Medical Student Award, Medical Student Rotation Award, Chemistry Teaching Assistant and a College of Science Ambassador.

Theodore Nicholson III, Ph.D.
Biomedical Engineering (Ohio)

Alabama LSAMP
Oakwood University

Team Lead [BIO]
EarliTec Diagnostics, Inc.
Georgia



Accomplishments:

Member of the National Society of Black Engineers and Treasurer of the Healthcare Innovation Special Interest Group within that organization. Part of the Marcus Autism Center and managed research and technology development there.

Additionally, started a small consulting firm, TRN3 Consulting LLC, dedicated to helping businesses create sustainable products within the technology space. Excellence in Doctoral Research and the Chemistry Award for Outstanding Service.

Steven LaiHing, Ph.D.
Biology (Texas)

Alabama LSAMP
Oakwood University

Associate Professor [BIO]
Oakwood University
Huntsville, AL



Accomplishments:

Research focused on successfully discovering 100+ drug candidates for *Mycobacterium tuberculosis* and discovering an antifungal drug which shows promise against several cancers, awarded young faculty

research development grant (3X), NSF Co-PI for HBCU-UP grant and Professor mentor to UAB postdocs selected for the Mentored Experiences in Research, Instruction, and Teaching (MERIT) Program, funded by NIH.

Robert Hammond, Ph.D.
Biophysical Chemistry (Alabama)

Alabama LSAMP
Oakwood University
The University of Alabama at Birmingham

Medical Student [BIO]
Meharry Medical College
Nashville, TN



Accomplishments:

Graduate Student Research Exchange Competition Winner (UAB), Graduate Student Research Days Competition Winner (UAB), Outstanding Short Talk presentation Awardee (Federation of American Societies of Experimental Biology,

Germany), 3 Minute Thesis Finalist, Graduate Student of the Year, 5 protein structure deposited in The Protein Data Bank, 4 journal publications.

Norris I. Hollie, II, M.D., Ph.D.
Pathobiology and Molecular Medicine (Ohio)

Alabama LSAMP
Oakwood University

Anatomic and Clinical Pathology Resident [BIO]
Beth Israel Deaconess Medical Center
Boston, MA



Accomplishments:

Licensed Physician;
Subspecialty Fellowship: Hematopathology; Scholar programs: Medical Scientist Training Program, Yates Scholar; Awards: 2 (Pathology Award, Milestone Achievement Award [both during MD/PhD studies])
Publications: 5 (4 first

author); Competitive research grants: 2 (National Heart Lung and Blood Institute (of National Institutes of Health) Predoctoral; American Heart Association Predoctoral); American Society for Clinical Pathology Career Ambassador.

Aqueasha Martin-Hammond, Ph.D.
Computer Science (South Carolina)

Alabama LSAMP
Clemson University
The University of Alabama at Birmingham

Assistant professor at SOIC [CISE]
Indiana University
Indiana



Accomplishments:

Completed postdoctoral training at the University of Maryland, Baltimore County; research focuses on human-computer interaction, examining health and accessibility challenges, and ways to

design and develop technology that can help.

Edward C. Dillon, Jr., Ph.D.
Biotechnology Science and Engineering (Maryland)

Alabama LSAMP
The University of Alabama

Assistant Professor [CISE]
Morgan State University
Baltimore, MD



Accomplishments:

Southern Regional Education Board Fellowship Scholar, 16 refereed publications, Lead PI of NSF federal grant, Co-PI of NIH federal grant, Co-PI of Maryland Center for Computing Education state funded grant. Received the PowerLive 2019 Faculty

Award (Teaching and Mentoring).

Christophe E. Jackson, Ph.D., DMA, PA
Bio-Engineering (Alabama)

Alabama LSAMP
The University of Alabama at Birmingham

CEO/Chief Clinical Design Engineer [ENG]
Gideon Group
Birmingham, AL



Accomplishments:

Awarded a Ford Foundation fellowship, received postdoctoral training in Neuroscience at Tulane University, extensive scientific, engineering, design, and clinical training as well as experiences in bridging the

gaps between healthcare, engineering, technology, and research, has worked and consulted with several top medical tech companies.

Stephanie Watson, Ph.D.
Civil Engineering (Alabama)

Alabama LSAMP
The University of Alabama at Birmingham

Environmental Engineer [ENG]
Michigan Electric Utility Company Upstate
Michigan



Accomplishments:

Collaborated with numerous emergency managers across the United States, has made many research presentations and received numerous awards while completing her graduate education, the most notable among them, being named Alabama's University Transportation Center Student of the Year.

Candace Watson, Ph.D.
Civil Engineering (Alabama)

Alabama LSAMP
The University of Alabama at Birmingham

Senior EH&S Coordinator [ENG]
Collins Aerospace
Gatlinburg, TN



Accomplishments:

Participated in a study abroad program in Cairo, Egypt, has authored and presented papers at fourteen various professional conferences, both nationally and globally, traveling to Xi'an, Shaanxi, China, Candace received the

Leadership in Energy and Environmental Design (LEED) accreditation from the United States Green Building Council (USGBC).

Derrick D. Stokes, Ph.D.
Materials Science (Alabama)

Alabama LSAMP
The University of Alabama

Staff R&D Engineer [ENG]
Collins Aerospace
Chula Vista, California



Accomplishments:

Collins Aerospace; ASG; AFF Co-Founder and President, R&D Excellence Award for Achieving Competitive Excellence, R&D Innovation Award for Friction Stir Welding, Internships at Carrier Corporation Metallurgy and Structures Group, Corning Incorporated Reliability and Mechanical Science Group as well as Specialty Materials Group, plus five additional internships.

Johnathan Shields, M.S.
Cyber Security (Alabama)

Alabama LSAMP
The University of Alabama in Huntsville

Software Programmer [ENG]
Boeing
Huntsville, AL



Accomplishments:

Graduated top of his class for bachelors and master's degrees (4.0 for both degrees), NASA Alabama Space Grant Scholarship recipient, Draper Memorial Church Scholarship recipient, University of Alabama Huntsville Foundation Presidential Scholarship recipient, SGA Student Council, Honors College mentor, College of Science Ambassador, Graduate Teaching Assistant, Research Initiative at Hudson Alpha.

Sharniece Holland, Ph.D.
Materials Science (Alabama)

Alabama LSAMP
Alabama State University
The University of Alabama

Lecturer [ENG/MPS]
Washington University
St. Louis, MO



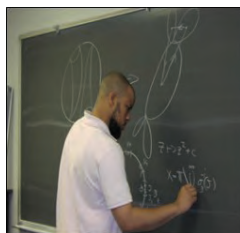
Accomplishments:
Washington University
Summer Engineering
Fellowship Mentor,
Greater Alabama Black
Belt Region LSAMP
Advisory Board,
postdoctoral fellow at
Auburn University,
multiple publications,

Southern Regional Education Board Dissertation
Scholar Fellowship, Alabama NASA EPSCoR Round 11
Graduate Research Scholars Program.

Kendrick White, Ph.D.
Applied Mathematics (Alabama)

Alabama LSAMP
The University of Alabama at Birmingham

Professor [MPS]
Stillman College
Tuscaloosa, Alabama



Accomplishments:
His research is focused on
developing topological models
of Julia sets associated with
holomorphic functions. The
Julia set is the location in a
system's phase space where

chaotic dynamics occur, characterized by sensitivity
to initial conditions, the structure of Julia sets has
been exploited to devise control strategies that have
been used in the positioning of satellites and
stabilization of heart rates.

Hadiyah-Nicole Green, Ph.D.
Physics (Alabama)

Alabama LSAMP
Alabama A&M University
The University of Alabama at Birmingham

President, Founder and Spokesperson [MPS]
Ora Lee Smith Cancer Research Foundation
Atlanta, Georgia



Accomplishments:
National Physical Science
Consortium Fellowship, has
trained at the Laboratory of
Physical Science at the
University of Maryland with
the Department of Defense,
presented some of her
results at an international
conference and was invited

to be the SPIE Student Representative to Congress,
presented her research at several conferences in her
field and received several awards.

Kevin Ingles
Theoretical Particle and Nuclear Physics (Ohio)

Alabama LSAMP
University of South Alabama

Graduate Student [MPS]
The Ohio State University
Columbus, OH



Accomplishments:
Recipient of the Dean's
Distinguished Graduate
Enrichment Fellowship and GEM
Fellowship and has completed
internships at Fermi National
Accelerator Lab and a summer
internship in Science &

Technology. Co-founder of early arrival program
URSA with the OSU Departments of Astronomy and
Physics, part of the Polaris Group. Offered a SMART
scholarship through the Department of Defense to
work in Rome, NY at the Informational Directorate.
Author of six publications.

Joseph Williams, Jr., Ph.D.
Organic Chemistry (Washington, D.C.)

Alabama LSAMP
Miles College

Chemist [MPS]
Environmental Protection Agency
Washington, D.C.



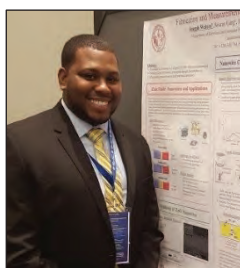
Accomplishments:

Clinton Health Access Initiative Recipient of Research Funding, GK-12 Fellow, published author, Returned Peace Corps volunteer who served in West Nile, Uganda as a lecturer for the National Teachers College Muni from 2013-2015, co-lead facilitator for lessons taught on chemistry and HIV at GirlTech, adjunct professor of chemistry at Bowie State University.

Joseph Lionel Waters, Ph.D.
Materials Science (Alabama)

Alabama LSAMP
The University of Alabama

Process Engineer / Scientific Analyst [TECH]
Intel Corporation
Chandler, AZ



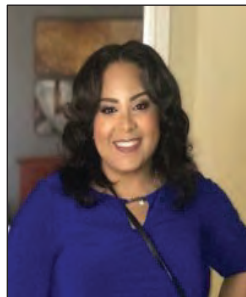
Accomplishments:

Material Science Fellowship, 2nd place AL EPSCoR poster, EPA P3 Student Competition Grant, GK-12 fellowship, Graduate Council, Last Lecture Committee, President of African American Graduate Student Association, 6 publications.

Kendra J. Royston, Ph.D.
Biological Sciences (Alabama)

Alabama LSAMP
The University of Alabama at Birmingham

Publication Planning Associate-Consultant
Eli Lilly and Company [OTH]
Indiana



Accomplishments:

Fifteen scientific publications. President and Founder of "Stupid Science", Genetics Club, LSAMP Mentor TRIO Student Support Services, Tutor Black Graduate Student Association, Phi Sigma Biology Honors Society.

Crystal S. Lewis, Ph.D.
Inorganic Chemistry (New York)

Alabama LSAMP
Oakwood University

Senior Formulation Specialist [OTH]
Evolved by Nature
Medford, MA



Accomplishments:

While pursuing her Ph.D. at Stony Brook University she was a Turner and AGEP-T Fellow and published 9 journal articles. Upon graduating, Dr. Lewis also received the Chemistry Award for Excellence in Doctoral Research and the Chemistry Award for Outstanding Service.

Garden State-Louis Stokes Alliance for Minority Participation

New Jersey

PI: Dr. Alexander Gates
agates@newark.rutgers.edu



Co-PIs:
Dr. Nancy Cantor (nancy.cantor@rutgers.edu)
Dr. Prabhas Moghe (moghe@rutgers.edu)
Dr. Luis Rivera (luis@psychology.rutgers.edu)
Dr. Laurent Simon (laurent.simon@njit.edu)

Institutional Partners:

Bloomfield College
Essex County College
Fairleigh Dickinson University
Kean University
Montclair State University

New Jersey City University
New Jersey Institute of Technology
Rutgers University – New Brunswick
Rutgers University – Newark (lead)
William Paterson University

John Urban, Ph.D., (Maryland). Garden State-LSAMP (William Paterson University) – **Postdoctoral Research Associate at Carnegie Institute for Science.**



Accomplishments:
National Science Foundation Graduate Research Fellow. NSF EPSCoR Fellow. NSF ISSBB Scholar. Received his Bachelor's Summa Cum Laude in Biology

and earned his PhD from Brown University in Functional and Computational Genomics. Currently he is a Postdoctoral Research Associate at Carnegie Institute for Science and is author of four peer reviewed publications.



Cindy Colon Bergeron, Ph.D., (Texas). Garden State-LSAMP (Rutgers University – Newark) – **Adjunct Professor at Lone Star College.**

Accomplishments: Received her Bachelor's in Geology and her PhD from Louisiana State University in Structural Geology and Tectonics. After working as an Exploration Geologist for many years, she is now an Adjunct Professor of Geology at Lone Star College in Texas where she has also volunteered for Big Brothers Big Sisters. She has one publication.

Maryam Alapa, Ph.D. (New Jersey). Garden State LSAMP (Montclair State University) – **Scientist and Writer at Bristol-Meyers Squibb.**



Accomplishments: Earned a Bachelor's degree in Chemistry and a Master's in Biochemistry at Montclair State University and a Ph.D. in Biomedical Science at Rutgers

University, where she was a Sloan Scholar Teaching Assistant. Interested in science communication, she began writing for the Interdisciplinary Job Opportunities for Biomedical Scientists (iJOBS) blog, becoming senior editor. She has had two articles published and has another in process. Currently, she is a scientist at Bristol-Meyers Squibb and a reviewer for Seeding Labs.

Marvin Andujar, Ph.D., (Florida). Garden State-LSAMP (Kean University) - **Assistant Professor and Director of the Neuro-Machine Interaction Lab in the Department of Computer Science and Engineering at the University of South Florida.**



Accomplishments: National Science Foundation Graduate Research Fellow, GEM Fellow, Generation's Google Scholar, Intel Scholar. His research concentration is on

Affective Brain-Computer Interfaces where he focuses on measuring and decoding the user's affective state from the brain during human-machine interaction. He has more than two dozen published papers and is the Co-Founder and CEO of Brain Drone Racing League, a non-profit organization which sets rules and aids the organization of brain-drone racing.

Asiel A. Benitez, Ph.D., (New York). Garden State-LSAMP (William Paterson University) – **Scientist at Regeneron Pharmaceuticals, Inc.**



Accomplishments: Received his Bachelor's in Biotechnology at William Paterson University and his PhD in Biomedical Sciences from Ichan School of Medicine at

Mount Sinai, where he worked in the lab of Dr. Benjamin tenOever. Participated in NIH Summer Undergraduate Research Program as both a rising junior and rising senior. He held Post-Doctoral Fellowships at both Icahn School of Medicine and at Regeneron Pharmaceuticals, where he is now employed at a scientist. His graduate and post-doc work focused on mainly on Influenza A viruses (he calls himself a "flucionado") and he is currently investigating autoimmune disorders with a focus on developing therapies to treat them. He has six publication.

Ivan de la Grange, Ph.D. (candidate) (Indonesia). Garden State-LSAMP (New Jersey City University) – **Fulbright Fellow at**



Universitas Katolik Indonesia Atma Jaya.

Accomplishments: Golden Key International Honor Society Member. Earned his Bachelor's Cum

Laude in Environmental Science. Awarded a prestigious Fulbright Fellowship to student Environmental Chemistry in Indonesia where he is studying the use of Moringa Oleifera seed to remove pesticides. He currently has one publication.

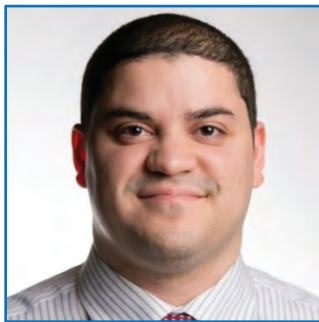
Rubens Dort, Ed.D., (Massachusetts). Garden State-LSAMP (Bloomfield College) – **Program Director of STEM for Boston Public Schools.**



Accomplishments: Received a Bachelor's in Mathematics, a Master's in Secondary Education Mathematics from Mercy College and an Ed.D. from Northeastern

University. He worked as a Math tutor as an undergraduate and became a Math Teacher upon receipt of his MS, focusing on working multilingual and underrepresented groups of students in both secondary and higher education. Currently, he is the STEM Program Director, developing, delivering and supporting implementation of STEM initiatives and projects from the Office of Academics.

Carlos J. Garcia, Ph.D., (New Jersey). Garden State-LSAMP (Kean University) – **Associate Medical Strategist at GSW Advertising.**



Accomplishments: Earned a Bachelor's in Biotechnology from Kean University and a PhD in Medical Microbiology and Bacteriology from Rutgers – Newark. After graduate

school, became a Medical Writer and Medical Affairs Intern. He is a Board-Certified Medical Affairs Specialist. Currently an Associate Medical Strategist, he develops science-based strategic insight into the current and future therapeutic market to meet brand objectives.

Binta Jalloh, Ph.D. (2020), (Georgia). Garden State-LSAMP (Montclair State University) – **Graduate Student at Emory University.**



Accomplishments: Received Bachelor's in Biology at Montclair State University and is working towards a PhD in Genetics and Molecular Biology at Emory University.

Prior to starting graduate school, she was a research technician at the Center for International Health at Case Western Reserve University, characterizing different malarial species in a small population in Madagascar. She is currently studying intellectual disability in humans using the *Drosophila* model system.

Humberto Jaramillo, Ph.D., (California). Garden State-LSAMP (Rutgers University – New Brunswick) – **Project Engineer at SPI, The Membrane Technology Consultants.**



Accomplishments: After receiving his BS Summa Cum Laude in Civil Engineering, he also received an MS, MPhil and PhD in Environmental Engineering at Yale University as a

National Science Foundation Graduate Research Fellow. Eight peer-reviewed articles on desalination, reverse osmosis and biofouling.

Margaret E. (Warren) Kirkling, Ph.D., (New Jersey). Garden State-LSAMP (Rutgers University – Newark) – **Investigator of Functional Genomics at GlaxoSmithKline.**



Accomplishments:

National Institutes of Health Ruth L. Kirschstein National Research Service Award Fellow.
National Science Foundation Graduate Research Fellow.

Received her Bachelor's in Biology from Rutgers - Newark, her Master's of Business and Sciences in Biotechnology and Genomics from Rutgers – New Brunswick and her PhD in Immunology from Columbia University. She has authored nine peer reviewed articles and is currently an Investigator in Functional Genomics at GlaxoSmithKline.

Lider Leon, Ph.D., (North Carolina). Garden State-LSAMP (Montclair State University) – **Post-Doctoral Fellow at North Carolina State University.**



Accomplishments:

Awarded NSF Data-Enabled Science and Engineering of Atomic Structure Fellowship. Received MS and PhD degrees from North Carolina State University in Applied

Mathematics. He has eight published articles. His current research is on uncertainty analysis of model-based control algorithms for ferroelectric material-powered devices, such as micro air vehicles (MAV).

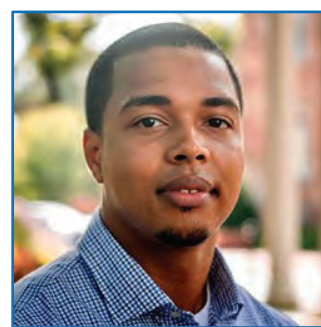
Bernard Lipat, Ph.D., (New York). Garden State-LSAMP (New Jersey City University) – **Mathematics and Science Teacher at The Winchendon School.**

Accomplishments:



NASA Earth and Space Science Fellow. Completed his PhD in Applied Physics and Applied Math at Columbia University, where he also earned both an MS and MPhil. Co-founded qSTEM, organization for queer graduate students. As an undergraduate, he served as President of Kappa Mu Epsilon Mathematics Honor Society. He currently teaches math and science at The Winchendon School in Brooklyn.

Michael Little, Ph.D., (New Jersey). Garden State-LSAMP (Montclair State University) - **Research Investigator at Bristol-Myers Squibb.**

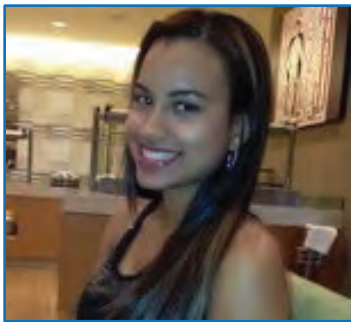


Accomplishments:

Selected for Rutgers University's Research in Science and Engineering Summer Research Program. Summer Undergraduate Research Fellow.

Recipient of the Society of Toxicology Undergraduate Education Award. Earned his PhD in Chemistry from University of North Carolina, Chapel Hill where he was a National Science Foundation Graduate Research Fellow. Currently works as a Research Investigator at Bristol-Myers Squibb.

Priscilla Lopez, M.P.H., Ph.D., (2020), (New York). Garden State-LSAMP (Rutgers University – New Brunswick) – **Research and Evaluation Coordinator/Senior Data Analyst at NYU-CUNY Prevention Research Center**



Accomplishments:

Member of National Honor Society of Collegiate Scholars. Received her Bachelor's in Biology, Master's from Columbia

University in Epidemiology and is working towards her PhD in Public Health/Epidemiology at City University of New York where she is a Doctoral Student Representative to the Faculty/Student Council and for the Transition Committee and a fellow for CUNY's Immigrant, Refugee, and Global Health Center. She is also Adjunct Lecturer of epidemiology at Hunter College. She is the author of five peer reviewed articles and two white papers.

Renata Martin, Ph.D., (California). Garden State-LSAMP (Essex County College) – **Research Scientist at Genetic Engineering.**

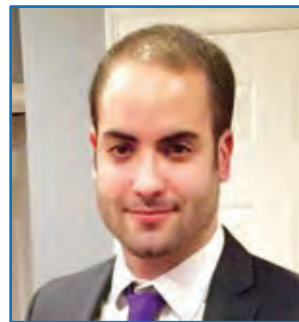


Accomplishments:

After completing her A.S. in Biology, she continued her education at Brown University where she earned a B.S. in Immunology and at Stanford University

where she earned a PhD in Stem Cell and Regenerative Medicine. She is currently a Research Scientist at Genetic Engineering with eight peer reviewed publications. In addition, she is a singer/songwriter with several videos posted to YouTube.

Oscar Patterson-Lomba, Ph.D., (Massachusetts) Garden State-LSAMP (Montclair State University) – **Manager of Health Economics and Outcomes Research at Analysis Group**



Accomplishments:

Received his Bachelor's in Physics after emigrating from Cuba. Earned his PhD in Applied Mathematics from Arizona State University, where he

had participated in an REU in Mathematical and Theoretical Biology as an undergraduate. He was a Post-Doctoral Fellow at Harvard T.H. Chang School of Public Health prior to joining Analysis Group. He is very interested in studying contagion processes within social contexts by developing novel mathematical, computational and statistical models to study the spread and evolution of infectious diseases.

Ramon Peña, Ph.D., (New Jersey). Garden State-LSAMP (Rutgers University – New Brunswick) – **Senior Engineer at ExxonMobil**



Accomplishments:

Recipient of Altria Group Scholarship and National Action Council for Minorities in Engineering Scholar Research Grant, Member of Omega Chi Epsilon

Chemical Engineering Honor Society. Earned both his Master's and PhD in Chemical Engineering from Purdue University. Currently is a Senior Engineer at ExxonMobil with six peer reviewed publications.

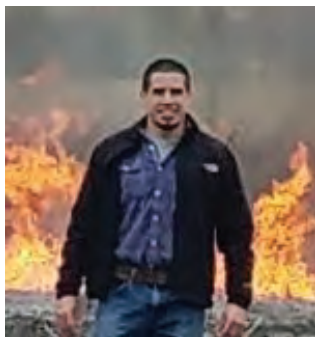
Amy-Michelle Pitler, Ph.D., (New Jersey). Garden State-LSAMP (Bloomfield College) – **Research and Development Scientist at Anthem United States of Beauty.**



Accomplishments:
Alfred P. Sloan Foundation’s Sloan Minority PhD Program Scholarship. Received her Bachelor’s in Chemistry from Bloomfield College

and her PhD from Rutgers University in Biomedical Sciences, Immunology, Inflammation and Infectious Diseases. She is currently a Scientist at Anthem United State of Beauty where she is Lead for Stability and Safety Testing in Research and Development. She has also returned to her alma mater, Bloomfield, as an Adjunct Professor of Anatomy and Physiology.

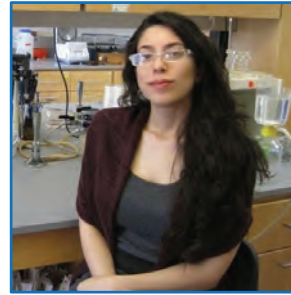
Ryan Rebozo, Ph.D., (New Jersey). Garden State-LSAMP (Rutgers University – New Brunswick) – **Director of Conservation Science at Pinelands Preservation Alliance.**



Accomplishments:
Received his Bachelor’s in Ecology and Natural Resources. National Science Foundation Bridge to the Doctorate Fellow. Earned his PhD in

Ecology from Drexel University. He has three peer reviewed publications. He is currently Director of Conservation Science at Pinelands Preservation Alliance, a private, nonprofit organization dedicated to saving the Pinelands of New Jersey, where his research interests include fire ecology, plant – insect interactions, mycology, and rare plant demography.

Andrea Suria, Ph.D., (North Carolina). Garden State-LSAMP (Fairleigh Dickinson University) – **Post-Doctoral Fellow at University of North Carolina.**



Accomplishments:
Earned her Bachelor’s degree in Biology from Fairleigh Dickinson University and her Ph.D. in Marine Microbiology from University of

Connecticut. She was a STEM tutor and PLTL lead while an undergraduate and participated in NSF REU at Duke University as a rising senior measuring photo- and geo-taxis in estuarine crab larvae. She has five peer-reviewed publications. Currently, she is a Post-Doctoral Fellow in Marine Science at UNC studying host-microbe interactions.

Washington Baltimore Hampton Roads
Louis Stokes Alliance for Minority Participation (WBHR-LSAMP)

Washington, DC

PI: Anthony K. Wutoh, Ph.D., R.Ph. - awutoh@howard.edu

Co-PIs:

Clarence M. Lee, Ph.D. - cmlee@howard.edu

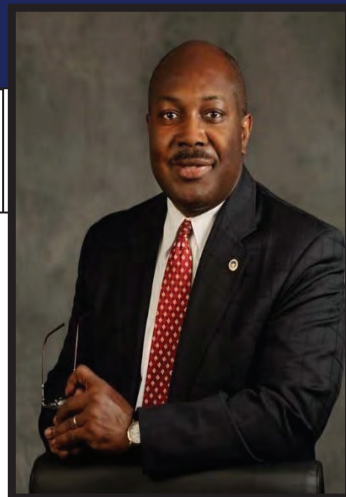
Guy-Alain Amoussou, Ph.D. - aamoussou@bowiestate.edu

JoAnn Haysbert, Ph.D. - joann.haysbert@hamptonu.edu

Hongtao Yu, Ph.D. - hongtao.yu@morgan.edu

Lawrence T. Potter, Jr., Ph.D. - cao@udc.edu

Donald Palm, Ph.D. - dpalm@vsu.edu



Institutional Partners:

Anne Arundel Community College

Bowie State University

El Camino Community College District

Hampton University

Harford Community

Howard Community College

John Tyler Community College

Morgan State University

Norfolk State University

Prince George's Community College

University of the District of Columbia

Virginia State University

**Taylor S. Hailstock – Biotechnology – M.S.
Johns Hopkins University**

(Washington, DC) WBHR-LSAMP
(Bowie State University)

**Biotechnician, U.S. Department of
Agriculture Animal Research Service [BIO]**



Accomplishments: A Pathways Intern for the U.S. Department of Agriculture, Agricultural Research Service, Animal Parasitic Diseases Laboratory.

**Samelia Okpodu-Pyuzza, Ph.D.
Physiology & Biophysics – Howard
University**

(Washington, DC) WBHR-LSAMP
(Norfolk State University)

**Executive Project Manager - Chesapeake
Church Ministries (End Hunger in Calvert
County & Honduras Compassion Partners),
Huntingtown, MD & La Paz, Honduras**



Accomplishments: After graduation, Dr. Okpodu-Pyuzza left her career as a molecular biologist at the National Institutes of Health and spent a year devoted to national service in AmeriCorps.

That experience transformed her life and she now uses her passion for data, data visualization and program development to manage executive projects for the CEO of End Hunger in Calvert County, serves as the Director of Women's Empowerment for Honduras Compassion Partners, Inc., NEI Scientific Director Group Award and Presidential Volunteer Gold Service Award. She has two publications.

**Martha D. Gay, Ph.D. – Pharmacology
Howard University**

(Washington, DC) WBHR-LSAMP
(Norfolk State University)

**NIH-TL-1 Georgetown-Howard Universities
Center for Clinical and Translational
Science Postdoctoral Scholar at
Georgetown University, DC [BIO]**



Accomplishments: My overall goals are to provide community health awareness about fatty liver disease,

improve healthcare modalities, and provide knowledge to cancer patients that are in high-risk communities. Minorities in Cancer Research Scholar from American Association for Cancer Research Award, Georgetown University Medical Magazine Fellow, Women in Cancer Research from American Association for Cancer Research Award. Dr. Gay has two publications.

**Cpt. LeTasha McFarlane, M.S., CISSP,
CISM, CSM, CASP, ITIL, CEH – Howard
University**

(Washington, DC) WBHR-LSAMP
(University of the District of Columbia)

**74th Troop Command, Headquarters and
Detachment Commander, DCARNG
Corporate Information Systems Security
Manager, SAIC [CISE] [TECH] [OTH]**



Accomplishments: Captain McFarlane is a CyberCorps Scholarship Recipient and Department of Homeland Security Pathways Intern.

Vic L Boddie II, Ph.D. – Biology – Howard University

(Washington, DC) WBHR-LSAMP
(Howard University)

**Consumer Safety Officer
Food and Drug Administration
Center for Veterinary Medicine [BIO]**



Accomplishments:
Dr. Vic Boddie is a Consumer Safety Officer with FDA’s Center for Veterinary Medicine. Dr. Boddie is dedicated to protecting public health and has multifaceted experiences directly

managing numerous projects and policy initiatives to support CVM’s mission. Dr. Boddie is considered a subject matter expert, working with industry leaders to ensure that animal drugs on the market are safe and effective. In this capacity, was recognized by FDA, and given an award for working with agency leaders to remove fraudulent cancer products from the market.

Cameron Davis Clarke – M.S. in Public Policy – Oxford University

(Washington, DC) WBHR-LSAMP
(Howard University)

Research Fellow at Planned Parenthood Federation of America (NYC) [MPS]



Accomplishments:
2017 Rhodes Scholar Recipient, Howard University Award for Excellence in Biology, Member Phi Beta Kappa Honor Society.

Bethrice Elliot, Ph.D. – Molecular Biology Howard University

(Washington, DC) WBHR-LSAMP
(Howard University) – BD

Research Associate, Center for Cancer Research and Therapeutic Development (CCRTD) at Clark Atlanta University [BIO]



Accomplishments:
IRTA Postdoctoral Fellow, National Cancer Institute, NIH, Bethesda, MD. Received the RCMI Pilot Project Program at the CCRTD Research Awards. Five publications in the last five years to include the *Journal of Reproductive Medicine and Endocrinology*.

Kourtney Fulton-Miller, Ph.D. Mathematics – Howard University

(Washington, DC) WBHR-LSAMP
(Howard University) – BD

Principal and Head of School at Cesar Chavez Public Charter School for Public Policy in Washington, DC [MPS]



Accomplishments:
Dr. Fulton-Miller founded her own company, Fulton Tutorial Services, LLC where she worked full-time serving over 100 clients while working at schools in Prince George’s County and charter schools in the district until August 2011. She then transitioned to teaching full-time on the high school level at Cesar Chavez and served as the senior class advisor, pageant coordinator, instructional coach and assistant principal. She has been promoted three times within six years.

Joseph Williams, Jr., Ph.D. – Organic Chemistry – Howard University

(Washington, DC) WBHR-LSAMP
(Howard University) – BD

Chemist/Environmental Protection Agency, Silver Spring, MD [MPS]



Accomplishments: Dr. Williams traveled to Uganda as a Peace Corps Volunteer. He has one publication in the *Tropical Journal of Pharmaceutical Research*.

Thomas J. Hardy, Ph.D. – Biology Howard University

(Washington, DC) WBHR-LSAMP
(Howard University)

Associate Professor of Biology & Anatomy and Physiology, College of DuPage, Chicago, IL [BIO]



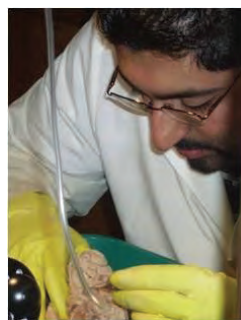
Accomplishments: Tenured Professor awarded over \$40,000 in grant funding for scholarly activity and outreach activities. Scott and Stringfellow Outstanding Professor Award.

Published in the *Investigations in the Biology Laboratory Manual*.

Sulman J. Rahmat, Ph.D. – Anatomy Howard University

(Washington, DC) WBHR-LSAMP
(Howard University)

Assistant Professor in Howard University College of Medicine, Washington DC [BIO]



Accomplishments: Howard University College of Medicine Top-rated Anatomy Medical Educator; Howard University College of Dentistry Teacher of the Year Award; Dr. Rahmat has 14 publications

including the *Journal of Anatomy* and the *International Journal of Paleobiology*.

Adana Llanos, Ph.D., MPH – Genetics & Human Genetics – Howard University; Epidemiology – Ohio State University

(Washington, DC) WBHR-LSAMP
(Howard University)

Assistant Professor Department of Biostatistics and Epidemiology, Rutgers School of Public Health, Fanwood, NJ [OTH]



Accomplishments: Dr. Llanos is a molecular epidemiologist, with training and expertise in population health and cancer health disparities with over 40 publications.

Minority Faculty Scholar in Cancer Research Award, American Association for Cancer Research (AACR)-Minorities in Cancer Research Council; New Jersey Health Foundation (NJHF) Excellence in Research Award and Excellence in Teaching Award.

**Healey LaCator – M.S. - Economics
Rutgers University**

(Washington, DC) WBHR-LSAMP
(Howard University)

**Founder, STEM Magnet School
Johannesburg, South Africa [BIO] [EDU]
[MPS] [OTH]**



Accomplishments:

Major accomplishments to this day are the opening of a school focused on STEM subjects and speaking

around the Johannesburg metropolitan area on curriculum development and education related to the STEM disciplines.

**Belinda R. Hauser, Ph.D. – Genetics &
Human Genetics – Howard University**

(Washington, DC) WBHR-LSAMP
(Howard University) – BD

**Acting Director, Office of Education
Intramural Training Director, National
Institute of Dental and Craniofacial
Research, NIH; Bethesda, MD [BIO]**



Accomplishments: Dr. Hauser is an NIH postdoctoral IRTA fellow for 5.5 years working at National Institutes of Dental and Craniofacial Research (NIDCR). She is

now the acting director, office of training and education at NIDCR. The Office of Education is an access point, advocate, and resource for intramural trainees and candidates. She has four publications.

**John Patrick Rogers, Ph.D. – Chemistry
University of California, Davis**

(Washington, DC) WBHR-LSAMP
(Howard University)

**Lecturer, Department of Chemistry
Howard University, Washington, DC [BIO]**



Accomplishments:

Recipient of several awards and accolades including Lendon N. Pridgen GlaxoSmithKline NOBCCHE Graduate Fellowship, HHMI Integrating Medicine into

Basic Sciences Training Grant, Alfred P. Sloan Ph.D. Minority Scholarship, UNCF Merck Science Initiative Undergraduate Fellowship. Dr. Rogers has three publications.

**Chinyere Knight, Ph.D. – Microbiology
Howard University**

(Washington, DC) WBHR-LSAMP
(Howard University)

**Assistant Professor Diversity, Ecology and
Evolution -Department of Biology at
Tuskegee University, Tuskegee, AL [BIO]**



Accomplishments: She has numerous awards and accolades including but not limited to: National Institutes of Health (NIH) Build Post-Doctoral Training Fellowship; Scientist Mentoring and Diversity Program for Medical

Technology (SMDP); Dr. James A. Ferguson Emerging Infectious Diseases Fellowship; Edith Hambie Award/ Outstanding Fellow; National Science Foundation (NSF)/ Graduate Research Fellowship Program; and the Republic of Cuba (Medical School Scholarship) just to name a few.

Kentucky-West Virginia Louis Stokes Alliance for Minority Participation

PI: Eli Capilouto, DMD, ScD pres@uky.edu

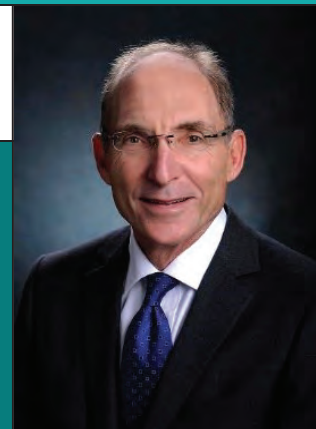
Co-PIs:

Kazi Javed, Ph.D., kazi.javed@kysu.edu

Lynn Michaluk, Ph.D., lynette.michaluk@mail.wvu.edu

David Miller, Ph.D., millerd@math.wvu.edu

Johné Parker, Ph.D., jhne.parker@uky.edu



Institutional Partners:

Bluegrass Community and Technical College

Centre College

Jefferson Community and Technical College

Kentucky State University

Marshall University

University of Kentucky

University of Louisville

West Virginia State University

West Virginia University

Western Kentucky University



Tiffany Bell, Ph.D.

(West Virginia) KY-WV LSAMP (Marshall University) [BIO]
BS, biochemistry, Marshall University, 2012
BS, Japanese language and culture, Marshall University
MS, biochemistry, King's College London, 2013
PhD, neurochemistry, University of Reading, 2017.



Jamar R. Grayson, DO

(West Virginia) KY-WV LSAMP (Marshall University) [BIO]
BS, microbiology, Marshall University
DO, West Virginia School of Osteopathic Medicine in Lewisburg, WV,
2015. Dr. Grayson is now a resident physician at Heber Valley Clinic in
Heber City, UT.

Victoria Paige Cloud, Ed.D. Candidate

(Kentucky) KY-WV LSAMP (Bluegrass Community and Technical College) [MPS] AS, science, Southeast Kentucky Community



and Technical College APS, civil engineering technology, BCTC BS, mathematics, University of Kentucky MA, education with a concentration on community college

teaching, Western Kentucky University, Ed.D. ABD, education leadership and policy, Eastern Kentucky University. Victoria is currently an associate professor as well as the LSAMP campus coordinator at BCTC. By becoming a professor and a coordinator for LSAMP, Victoria comes full circle and continues the work of the LSAMP program.

Rebekah Dailey, DNP

(Kentucky) KY-WV LSAMP (University of Kentucky) [OTH]



BN, nursing, University of Kentucky Doctorate of Nursing Practice, population and organizational systems leadership, University of

Kentucky. Dr. Dailey has worked as an emergency room RN, an electrophysiology RN, and is now a nurse manager vascular surgery at Inova Health System in Washington, D. C.

Robert Rivers, Ph.D.

(Kentucky) KY-WV LSAMP (Kentucky State University) [MPS]



BS, chemistry, Kentucky State University PhD, chemistry, University of Cambridge

Dr. Rivers served as a peer mentor for the

LSAMP program. He worked as a medical writer, served as a volunteer community organizer in Peru, received an American Association for the Advancement of Science and Technology Fellowship, and was a program officer at the National Cancer Institute focusing on proteomics research. He is now program director for the Office of Minority Health Research Coordination at the National Institutes of Diabetes and Digestive and Kidney Diseases.

Brent Daniel Frederick, DO

(West Virginia) KY-WV LSAMP (Marshall University) [BIO]



BS, microbiology, Marshall University, 2008 DO, West Virginia School of Osteopathic Medicine, 2013

Dr. Frederick did his residency in internal medicine at Wake Forest University School of Medicine. He is now a physician at Wake Forest Baptist Health.

Eseosa Ighodaro, M.D./Ph.D.

(Kentucky) KY-WV LSAMP (University of Kentucky) [BIO]



BS, biology,
University of
Kentucky
PhD, anatomy
neurobiology,
University of
Kentucky
MD, University of
Kentucky

Dr. Ighodaro is now a neurology resident at the Mayo Clinic.

Ricky Mason, Ph.D.

(Kentucky) KY-WV LSAMP (University of Kentucky) [ENG]

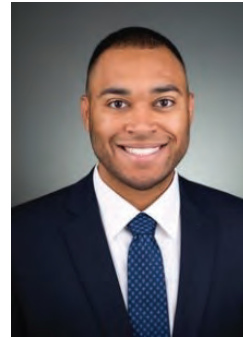


BS, electrical and
electronics
engineering,
University of
Kentucky
MS, electrical and

computer engineering, Johns Hopkins University PhD, electrical and electronics engineering, University of Kentucky. Dr. Mason is founder of KY AgriTech and BrainSTEM University. Kentucky AgriTech specializes in developing IOT, artificial intelligence, and blockchain technology for agriculture. BrainSTEM University provides STEAM education for students of all ages through classes, workshops, and summer camps. He is a board member of the Louisville MSD and chief technical officer of Bionic Innovations.

Dominique Razeeq, M.D.

(Kentucky) KY-WV LSAMP (University of Louisville) [BIO]



BA, biology, University
of Louisville
MD, University of
Louisville
Dr. Razeeq is currently
an Anesthesiology
Resident at the UofL
Hospital. During
medical school, he led

the Pre-matriculation Program for incoming minority and underrepresented students and helped form and teach curriculum for point of care ultrasound to 2nd year medical students. He served as SDA for the Summer Medical Dental Education Program and tutored gross anatomy. He was awarded the CODRE research grant while working on a basic sciences research project during his undergraduate experience.

Alexander J. Salazar, M.D. (West Virginia)
KY-WV LSAMP (Marshall University) [MPS]



BS, biology, Marshall
University
MD, Marshall
University School of
Medicine

Dr. Salazar was
accepted to medical
school while he was
still an undergraduate. He successfully
completed his residency in general
medicine at the US Navy Walter Reed
National Military Medical Center. He now
practices emergency medicine in
Portsmouth, VA.

Joseph Wilkins, Ph.D.

(Kentucky) KY-WV LSAMP (University of Louisville) [GEO]



BS, atmospheric sciences and meteorology, University of Louisville
MS, meteorology, Saint Louis University PhD,

meteorology, Saint Louis University
He currently works as a physical scientist at the US Environmental Protection Agency. Dr. Wilkins's published articles can be found in journals including the *International Journal of Wildland Fire*, *Remote Sensing*, *IEEE Geoscience and Remote Sensing Letters* and *Atmospheric Environment*.

Astrid Suarez, Ph.D.

(Kentucky) KY-WV LSAMP (Western Kentucky University) [GEO]

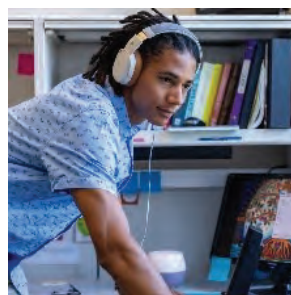


BS, meteorology, Western Kentucky University
MS, meteorology, Penn State University
PhD, meteorology, Penn State University

Dr. Suarez serves as Analysis Branch Chief for the Meteorological Modeling and Analysis Mission at the Air Force Technical Applications Center, Patrick AFB, FL. Dr. Suarez regularly serves as a national-level expert for work with major universities, national laboratories, and other U.S. government agencies.

Jordan Drew, Ph.D. Student

(West Virginia) KY-WV LSAMP (West Virginia University) [ENG]



BS, biometric systems, West Virginia University
Post-bac program, the National Institute for Deafness and Other Communication

Disorders, PhD Student, biometrics, University of Washington. Jordan is now a third year PhD student in electrical and computer engineering studying audio signal processing and the neuroscience of hearing loss.

Trevor Claiborn, B.S.

(Kentucky) KY-WV LSAMP (Bluegrass Community and Technical College) [A]



AS, agriculture, Bluegrass Community and Technical College
BS, agriculture, agriculture operations, and related sciences, Kentucky State University.

Trevor has written and produced hip hop music videos on the subject of agriculture. Through these videos (which are posted on his website as well as YouTube), he hopes to encourage the next generation to know more about food and pursue degrees and careers in agriculture. In addition, he has written and published picture books for young children.

Upstate Louis Stokes Alliance for Minority Participation

PI: Zhanjiang (John) Liu, Ph.D. – johnliu@syr.edu

Co-PIs:

Tamara N. Hamilton, M.A. – tnhami01@syr.edu

Andria Costello Staniec, Ph.D. – costello@syr.edu

Dawn Johnson, Ph.D. – drjohn02@syr.edu



Institutional Partners:

Clarkson University, Potsdam, NY

Cornell University, Ithaca, NY

Onondaga Community College, Syracuse, NY

Monroe Community College, Rochester, NY

Rensselaer Polytechnic Institute, Troy, NY

Rochester Institute of Technology, Rochester, NY

Syracuse University, Syracuse, NY

Ariel Ash-Shakoor, Ph.D., Syracuse University

(New York). Upstate LSAMP (Syracuse University) [ENG]

Biomedical Engineer at FDA



Accomplishments:

Dr. Ash-Shakoor completed her undergraduate work at the University of Maryland, College

Park and her Ph.D. in Bioengineering from Syracuse University. Dr. Ash-Shakoor completed a research project on drug coated balloons as an Oak Ridge Institute for Science and Education fellow.

Sofia Pezoa, Ph.D., University of Colorado Anschutz School of Medicine

(New York). Upstate LSAMP (Syracuse University) [BIO]

Accomplishments: Dr. Pezoa completed her undergraduate work at Syracuse. She is a Company of Biologists Traveling Fellow and first author of two publications. Dr. Pezoa served as a Post Baccalaureate IRTA in



which she studied blood vessel development in zebrafish with the National Institutes of Health.

Deshawn Coombs, Ph.D., Syracuse University

(New York). Upstate LSAMP (Syracuse University) [ENG]



Accomplishments: Dr. Coombs earned a Ph.D. in Mechanical and Aerospace Engineering at Syracuse University. While in graduate school, Dr.

Coombs served as an Intern at the Sandia National Laboratories where he assisted with the experimental investigation on the behavior of organic materials subject to heat flux and the development and application of droplet particle interaction model for coupled solid and fluid mechanic simulations.

Iriny Ekladios, Ph.D., Boston University

(New York). Upstate LSAMP (Cornell University) [ENG]

Senior Scientist at Merck



Accomplishments: Dr. Ekladios earned a Ph.D. in Biomedical Engineering at Boston Uni. and is a recipient of the NSF Graduate Research Fellowship,

the Boston University Cross-disciplinary Training in Technology for Cancer Fellow and the Cornell Engineering Alumni Association Undergraduate Research Award. Dr. Ekladios has first-authored five publications and received one patent. Her research developed and characterized novstems for the controlled delivery of chemotherapeutics and polymeric nanoparticle drug delivery systems.

Dane A. Dell, Ph.D., Syracuse University

(New York). Upstate LSAMP (Syracuse University) [CISE]

Director of Library Information Systems at Onondaga County Public Libraries



Accomplishments: Dr. Dell earned a Ph.D. in Information Science and Technology at Syracuse University where he served as adjunct professor and

information management specialist for SU. Dr. Dell has one publication. While working as a Business Intelligence Analyst in the Advanced Manufacturing department at Marquardt Switches, Inc., Dr. Dell developed and implemented a comprehensive management dashboard.

Darvin J. Griffin, Ph.D., Cornell University

(New York). Upstate LSAMP (Cornell University) [ENG]

Global Clinical Strategy Lead for Smith and Nephew

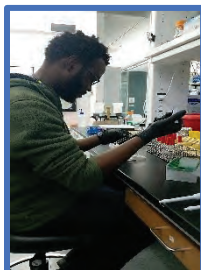


Accomplishments: Dr. Griffin completed his undergraduate work at Mississippi State University and earned a Ph.D. in Biomedical Engineering at Cornell. His awards include the NSF

Graduate Research Fellowship, the 2016 New Faces of Engineering Award, the Mike Shinn Distinguished Graduate Student of the Year and the 2015 Cornell Zellman Warhaft Commitment to Diversity Award.

**Kemardo Henry, Ph.D. Candidate,
University of Wisconsin, Madison**

(New York). Upstate LSAMP (Syracuse University) [BIO]



Accomplishments:

Mr. Henry received his Bachelor's degree in Biochemistry from Syracuse. He is a recipient of the Jack Kent Cooke Graduate Scholarship, the Molecular Bioscience

Training Grant Recipient (NIH T-32 Fellowship) and the William H. Peterson Predoctoral Fellowship. His research is on the Molecular Genetics of Bacteria and Phages. Mr. Henry has received awards to attend the Gordon Research Conference and the Raper Symposium.

**Gerardo Martinez, Ph.D. Student,
Colorado School of Mines**

(New York). Upstate LSAMP (Syracuse University) [GEO]



Accomplishments:

Mr. Martinez is a Ph.D. student at the Colorado School of Mines, studying earth resources development engineering. He

received his M.S. in Environmental Engineering from the University of California, Davis. His master's thesis focused on mercury contamination in watersheds due to uncontrolled gold mining in the Madre de Dios region of Peru. Mr. Martinez, a 2015 EPA STAR Fellow, is currently studying the opportunities and challenges associated with formalization of artisanal and small-scale gold mining in the Puno region of Peru.

**Tagbo Herman Roland Niepa, Ph.D.,
Syracuse University**

(New York). Upstate LSAMP (Syracuse University) [ENG]

**Asst. Professor, Chemical & Petroleum
Engineering; University of Pittsburgh**



Accomplishments:

Dr. Niepa earned a Ph.D. at Syracuse University in Chemical

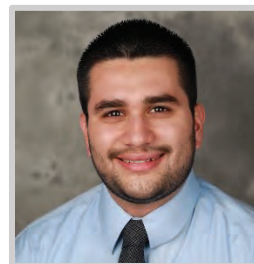
Engineering. He was

a UPenn Postdoctoral Fellow for Academic Diversity and a UPenn Postdoctoral REACT Fellow-Act 2 Prevention of Infection Transmission. He is a founder and organizer of the Microbes at Biomedical Interfaces (M@BI) at the 2020 AIChE Conference. Dr. Niepa is Co-PI on a \$1M NSF Grant for Graduate Engineering Education Scholarships. He has 17 publications and four patents.

Corey Osas, Ph.D., Cornell University

(New York). Upstate LSAMP (Cornell University) [ENG]

Postdoctoral Fellow at Duke University



Accomplishments:

Dr. Osas earned a Ph.D. in Mechanical Engineering and Materials Science through the NSF Graduate Research Fellowship. Dr. Osas

has over 20 publications and three book chapters. Three publications in Computational Materials Science have received Editor's Choice Awards.

Daniela Retelny Blum, Ph.D., Stanford University

(New York). Upstate LSAMP (Cornell University) [CISE]

Director of Product at B12



Accomplishments: Dr. Blum received a Ph.D. in Management Science and Engineering at Stanford. She is a Stanford Interdisciplinary Graduate Fellow recipient, a member of the Stanford HCI Group and the Center

for Work, Technology and Organization. Her dissertation on Flash Teams and Flash Organizations introduced computational approaches and organizational structures for on-demand expert crowd work.

Luis Romo, M.S., Syracuse University

(New York). Upstate LSAMP (Syracuse University) [ENG]

Founder and CEO of PurpleSun



Accomplishments: Mr. Romo earned a M.S. in Bioengineering and Biomedical Engineering at

Syracuse. He is the founder of PurpleSun Healthcare Technology in which they created the first non-chemical based standard for automating the daily disinfection needs of all critical patient care equipment and spaces.

Camilla Nix, Ph.D., Drexel University

(New York). Upstate LSAMP (Syracuse University) [ENG]

Accomplishments: Dr. Nix's research involves developing novel coating for



inhibiting infection for patients requiring the use of a urinary catheter. Dr. Nix has worked within the Philadelphia school district introducing

engineering concepts within science classrooms through hands on lessons and workshops and led projects in Githumu, Kenya to introduce Engineering Grand to students. Dr. Nix is a recipient of the Drexel Biomed "iCARE for Healthcare" GAANN Fellowship, the NSF Graduate Stem Fellowship in K-12 Education and the NSF Bridge to Doctorate Fellowship. Dr. Nix has seven publications.

North Carolina Louis Stokes STEM Pathways and Research Alliance

PI: Beryl McEwen, Ph.D.



Co-PIs:

Catherine D. White, Ph.D.

Elizabeth Sterns, Ph.D.

Alisa S. Taliaferro, Ph.D.

Juanda Johnson-Taylor, M.S.

INSTITUTIONAL PARTNERS:

North Carolina Agricultural and Technical State University
Fayetteville State University
North Carolina Central University
North Carolina State University

University of North Carolina at Chapel Hill
University of North Carolina at Charlotte
University of North Carolina at Pembroke
Winston-Salem State University

Dr. Shakia T. Hardy

Ph.D. Epidemiology
 University of North Carolina at Chapel Hill

NCLSAMP STEM Pathways and Research Alliance
University of North Carolina at Chapel Hill

Assistant Professor Epidemiology
 School of Public Health
 University of Alabama at Birmingham



Accomplishments: Dr. Hardy is the recipient of the Scott Grundy Fellowship Award for Excellence in Metabolism Research, the Ruth L. Kirschstein National Research Service Award (T32), Multidisciplinary Research Training to Reduce Inequalities in Cardiovascular Health (METRIC) Program, Rollins School of Public Health, Council on Lifestyle and Cardiometabolic Health, American Heart Association. Her peer reviewed articles have been published in Scientific Reports, JAMA Cardiology, Population Health and Journal of the American Heart Association.

Dr. Destinie Nock

Ph.D. Industrial Engineering and Operations Research (ENG)
 University of Massachusetts, Amherst

NCLSAMP STEM Pathways and Research Alliance
North Carolina A&T State University

Presidential Post-Doctoral Fellow Engineering and Public Policy Department
 Carnegie Mellon University



Accomplishments: Fall 2020 Dr. Nock will transition to Assistant Professor with a joint appointment in Engineering & Public Policy and Civil & Environmental Departments at Carnegie Mellon University. She has been awarded a NSF Graduate Research Fellowship, NSF Sponsored Wind Energy IGERT Fellowship, Northeast Alliance for Graduate Education and the Professoriate (NEAGAP) Program Fellow. Her articles have been published in Applied Energy, and Electricity Journal. She was invited to present at EAERE-FEEM VIU Summer School, Venice International University, Italy and Promoting Emerging Engineering Research Scholars (PEERS) Seminar Auburn University.

Dr. John Shelton

Ph.D. Mechanical Engineering (ENG)
University of South Florida

NCLSAMP STEM Pathways and Research Alliance
North Carolina A&T State University

Assistant Professor, Mechanical Engineering
Northern Illinois University



Accomplishments: Dr. Shelton is a recipient of the Energy Efficiency and Renewable Energy (EERE) Postdoctoral Research Award and the Sloan Fellowship and GEM Fellowship. His articles have been published in the *Journal of Petroleum Science and Engineering* and *Journal of Mechanical Engineering Science*. He has presented his research at the International Conference on Nanochannels, Microchannels and Minichannels in Alberta, Canada.

Dr. Jeremy A. Felton

Ph.D. Chemistry (MPS)
Indiana University

NCLSAMP STEM Pathways and Research Alliance
University of North Carolina at Chapel Hill

Bioanalyst, Postdoctoral Fellow/ Pharmacokinetics Core Member
University of Michigan



Accomplishments: Dr. Felton's research focuses on LC-MS analysis of pre-clinical drug candidates in blood, plasma and tissue and the development of analytical techniques for measuring drug dissolution in the GI tract. He is the recipient of the Indiana University Kraft Fellowship and Graduate Scholars Fellowship.

Dr. DeLauren McCauley

Ph.D. Analytical Chemistry (MPS)
University of Maryland, Baltimore County

NCLSAMP STEM Pathways and Research Alliance
North Carolina Central University

Chemist
Food and Drug Administration



Accomplishments: Prior to joining UMBC Dr. McCauley was a Post-Doctoral Research Fellow at the United States Medical Research Institute for Chemical Defense. Her honors and awards include the NIH Meyerhoff Graduate Fellowship, Southern Regional Education Board Doctoral Fellowship and the NSF Maryland BD Fellowship. She has presented her research at the National Environmental Measurements Conference and the Mid-Atlantic Prep & IMSD Research Symposium.

Dr. Denae Ford Robinson

Ph.D. Computer Science (CSIE)
North Carolina State University

NCLSAMP STEM Pathways and Research Alliance
North Carolina State University

Senior Researcher
Microsoft Research



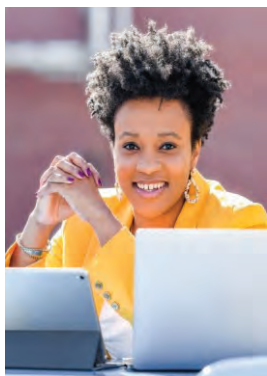
Accomplishments: Dr. Robinson's research identifies cognitive and social barriers to participation in online socio-technical ecosystems. Her recent work dismantles barriers to participation taking advantage of identity deployment, peer parity, and community mentorship. She is a recipient of the National GEM Consortium Fellowship, National Science Foundation Graduate Research Fellowship, and Microsoft Research Ph.D. Fellowship.

Khalia M. Braswell

M.S. Information Technology (CSIE)
University of North Carolina at Charlotte

North Carolina Louis Stokes STEM Pathways and Research
North Carolina State University

Founder, INTech Camp for Girls
Charlotte, NC



Accomplishments: Ms. Braswell is pursuing a Ph.D. in Computer Science at Temple University where she is a Presidential Future Faculty Fellow. She has been employed with Apple Inc. and Google. In 2014, she launched INTech Camp for Girls in her home town of Charlotte. Its mission is to inform and inspire girls to innovate in the technology industry.

Jocelyn R. Painter

Forestry & Environmental Resources (GEO)
North Carolina State University

North Carolina Louis Stokes STEM Pathways and Research
North Carolina State University

Ph.D. Student, Forestry & Environmental Resources
North Carolina State University



Accomplishments: Ms. Painter has a Bachelor of Science in Biological Engineering from North Carolina State University where she is currently pursuing a Ph.D. in Forestry & Environmental Resources. She is the recipient of the Nebraska Winnebago Scholarship and the National Science Foundation Lighting the Pathways Scholarship. Her research interest is in incorporating indigenous forms of knowledge into western science and making science more accessible and useful to tribal communities as it relates to water.

Dr. Candice Morrison Duncan

Ph.D. Environmental Science (GEO)
University of Arizona

North Carolina Louis Stokes STEM Pathways and Research
Alliance: *North Carolina Central University*

Lecturer, Soil Chemistry
University of Maryland at College Park



Accomplishments: Dr. Duncan's current research is in two areas: the use of phytoscreening to delineate contaminant transport in the subsurface and metal analysis in grave soil samples. She is the recipient of the Alfred P. Sloan Foundation Minority Ph.D. Program in Mathematics, Science and Engineering Scholar, the NSF LSAMP Bridge to Doctorate Research Fellowship and the Excellence in Teaching Award. Her articles have been published in: *Science of the Total Environment, Environmental Chemistry, and Journal of Contaminant Hydrology.*

Dr. Chantel Y. Simpson

Ph.D. Agriculture, Leadership & Community Education
(AG&ES)
Virginia Polytechnic Institute and State University

North Carolina Louis Stokes STEM Pathways and Research
Alliance: *North Carolina A&T State University*

Assistant Professor Agricultural Education
North Carolina A&T State University



Accomplishments: Dr. Simpson returned to her Alma mater, North Carolina A&T State University in fall 2019 as a faculty member in the College of Agriculture and Environmental Sciences. At Virginia Tech she was a recipient of the George Washington Carver Fellowship. She has published research articles in: *Science of the Total Environment, Environmental Chemistry, Journal of Contaminant Hydrology and the Journal of Career and Technical Education.*

Dr. Chaevia Clendinen

Ph.D. Biology (BIO)
Princeton University

NCLSAMP STEM Pathways and Research
Alliance: *University of North Carolina at Charlotte*

Assistant Dean, Student Advancement and Diversity
University of Chicago



Accomplishments: Dr. Clendinen was a AAAS Science and Technology Policy Fellow National Science Foundation Strategic Human Capital Planning Branch, where she implemented a New Inclusion Quotient (IQ) program in collaboration with the Office of Diversity and Inclusion to enhance employee engagement. As Assistant Dean, she develops and coordinates programs and workshops to meet the unique needs of Ph.D. and M.A. students from historically underrepresented groups.

Dr. Erika L Young

Ph.D. Marine Science (BIO)
University North Carolina at Chapel Hill

NCLSAMP STEM Pathways and Research Alliance
University of North Carolina at Pembroke

Lecturer, Soil Chemistry
University of Maryland at College Park



Accomplishments: Morehead Science Ambassador, UNC-Ch. Morehead Planetarium and Science Center: Inspiring Meaningful Programs and Communication through Science (IMPACTS) Program. Presentations: Association of Southeastern Biologists (ASB) Memphis TN; North Carolina Academy of Science UNC-Wilmington, Wilmington, NC.

Illinois Louis Stokes Alliance for Minority Participation (ILSAMP) Illinois

PI: Zaldwaynaka “Z” Scott, Esq. Zscott21@csu.edu

Co-PIs:

Chris Botanga, Ph.D. cbotanga@csu.edu
Demetri Morgan, Ph.D. dmorgan6@luc.edu
LeRoy Jones II, Ph.D. ljones27@csu.edu



Institutional Partners:

Chicago State University - Lead
Prairie State College
Morton College
Malcolm X College
St. Augustine College
DePaul University

Governors State University
Illinois Institute of Technology
Northeastern Illinois University, Edwardsville
University of Illinois, Chicago
University of Illinois, Springfield

**Shannon Allen, Ph.D. – (Northwestern University-
The Feinberg School of Medicine)
(Chicago). ILSAMP. Chicago State University.**

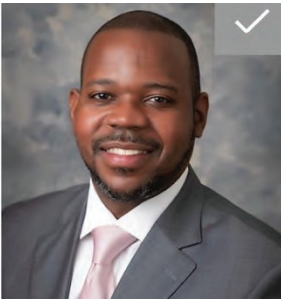
Advisor for Development of Biomedical HIV
Prevention Technologies – United States Agency for
International Development (USAID). Chicago. [BIO]



Accomplishments: Dr. Allen is an HIV/AIDS technical and virologist dedicated to the global advancement of sexual and reproductive health for marginalized populations. A leader with ten years of demonstrated proficiency in problem solving, critical thinking, identifying strategically addressing research and programmatic gaps, oral and written communication of science to experts and non-experts, and scientific research data analysis. She has six publications. From September 2016 to June 2018 she was awarded a fellowship with the American Association for the Advancement of Science (AAAS) and Technology Policy Fellow.

**Brian Clay M.D. – (University of Illinois College of
Medicine)
(Chicago). ILSAMP. Chicago State University.**

Pain Medicine Physician – Illinois Bone and Joint
Institute. Chicago. [BIO]



Accomplishments: Dr Clay is an experienced clinician with an extensive background and training in Pain Medicine and Physical Medicine and Rehabilitation. He runs a private practice with an emphasis on interventional pain management techniques, regenerative medicine (including PRP, stem cell) and work comp/IME/medical – legal. He currently serves as a Board of Trustee member for Chicago State University.

**Nkechiyere Nwani, Ph.D. – (Northwestern University
– Feinberg School of Medicine
(Chicago). ILSAMP. Chicago State University.**

Science Lead – Toeroek Associates Inc. Chicago. [BIO]

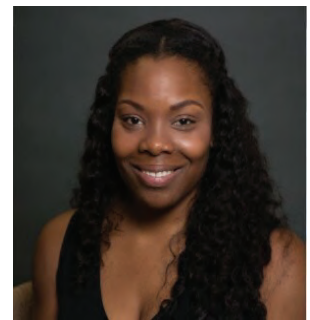
Accomplishments: Dr. Nwani's expertise includes project design and management, data analysis and interpretation and the development and implementation of research tools. Her research focused on identifying melanoma-secreted factors and the signaling pathways involved in the conversion of normal fibroblasts to tumor promoting fibroblasts. She utilized techniques in cell biology, biochemistry, immune histochemistry and molecular biology to answer those questions.



**Noelle Wakefield, Ph.D. - (Northwestern University)
(Chicago). ILSAMP. Chicago State University.**

Assistant Director of Diversity Initiatives and MSRP.
– Massachusetts Institute of Technology. Boston,
Massachusetts. [BIO]

Accomplishments: Dr. Noelle Wakefield is an accomplished professional seeking to leverage five years of experience as an administrator and instructor in higher education. A self-motivated and creative thinker who thoughtfully engages internal and external stakeholders to support the development of student programming, student recruitment and the execution of retention initiatives. She also has experience in teaching.



Valerie Goss, Ph.D. (University of Notre Dame) (Chicago). ILSAMP. Chicago State University.

Assistant Professor of Chemistry – Chicago State University. Chicago. [CHEM]



Accomplishments: Dr. Goss is an Associate Professor of Chemistry at Chicago State University, where she designs modified DNA nanostructures that will be useful in molecular electronics. Currently, she collaborates with The Field Museum of Natural History and Fermi National

Laboratory. Her areas of experimental and technical expertise include scanning microscopy of DNA nanostructures, XPS, UHV techniques, XRD, clean room, electron beam lithography, and POGIL (Process Oriented Guided Inquiry Learning) Teaching in the Physical Chemistry Laboratory. Her work is supported by the NASA Illinois Space Grant Consortium, the Department of Defense, and the Department of Education.

Yvette Hillard, Ph.D. (University of Illinois at Chicago) (Chicago). ILSAMP. Chicago State University.

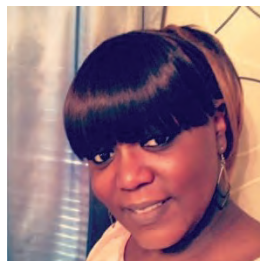
Research Assistant Professor at Dept of Chemistry and Biochemistry- University of Notre Dame Harper Cancer Research Inst. South Bend, IN. [CHEM]



Accomplishments: Dr. Hillard's main project focuses on investigating the influence of maternal obesity on the metastatic success of OvCa in next generation offspring. Using established pre-clinical mouse models of diet-induced obesity and intraperitoneal metastasis, an integrated approach encompassing a variety of epigenetic, genetic, biophysical and micro-anatomical methods is used to investigate the mechanistic link between maternal obesity and OvCa metastasis in offspring. She has six publications.

Diana Mayweather, Ph.D. (Northwestern University) (Chicago). ILSAMP. Chicago State University.

Senior Laboratory Services Coordinator – University of Minnesota. Minneapolis, MN. [CHEM]



Accomplishments: Dr. Mayweather is currently a Senior Laboratory Service Coordinator in the Chemistry Department at the University of Minnesota. Her duties include but are not

limited to managing all laboratory teaching operations, managing the teaching budget and arrange of all equipment and chemicals to be ready for the operation of all labs. She was formerly the chair of the Chemistry Safety Committee at St. Cloud State University, where her responsibilities included organizing Safety Committee meetings, and assisting with updates to the Chemistry Department Chemical Hygiene Plan.

Stephen Smith, Ph.D. (Northwestern University) (Chicago). ILSAMP. Chicago State University.

Professor, School of Applied Chemical and Environmental Sciences – Sheridan College. Oaskville, ON. [CHEM]

Accomplishments: Dr. Smith worked as a Scientist with The Dow Chemical Company in the Dow Water & Process Solutions business. His professional work included developing applications for ion exchange and membrane technologies in the mining and industrial wastewater industries. Steve has authored several journal articles and book chapters including a co-first author publication in Nature. His research activities have taken him all over the world, where he has presented at conferences in Austria, Japan, Canada, and the USA.



**Geraldine Cochran, Ph.D. (Florida International University)
(Chicago). ILSAMP. Chicago State University**

Assistant Professor, Office of STEM Education
Department of Physics & Astronomy – Rutgers
University. New Brunswick, NJ. [EDU]



Accomplishments: Dr. Cochran is an Assistant Professor of Professional Practice in the School of Arts and Sciences and the Department of Physics and Astronomy. Cochran is a physics education researcher. She earned her Ph.D. in curriculum and instruction with a cognate in physics and her Ed.S. in science education with a specialization in teacher preparation from Florida International University in Miami, FL and her M.A.T. with a specialization in secondary school physics, her B.S. degree in physics and her B.S. degree in mathematics from Chicago State University in Chicago, IL. Cochran is a member of the TRIAD coalition within SAS's Office of STEM Education. She supports STEM education research, outreach, and diversity, inclusion, and equity efforts. Cochran also serves on the SAS's Assessment Committee. Dr. Cochran has seven publications.

**Crystal Porter, Ph.D. (Missouri University of Science and Technology)
(Chicago). ILSAMP. Chicago State University.**

Hair Scientist - Mane Insights. Chicago, IL [MPS]



Accomplishments: Crystal is a hair scientist who provides mane insight to hair practitioners and cosmetic industry leaders. Her experience has provided her with a unique understanding of the way products, environment, ethnicity and lifestyle affect hair quality. Additionally, at Chicago State University she assists with designing, developing and implementing projects to provide quality STEM education and prepare students to pursue baccalaureate and advanced degrees in science, technology, engineering and technology disciplines. She has mentored 9 students (8 have graduated and one is currently enrolled) by providing them with research skills and assisting them in navigating to their STEM careers. Dr. Porter has nine publications.

All Nations Louis Stokes Alliance for Minority Participation Salish Kootenai College

PI: Sandra Boham, Ph.D. sandra_boham@skc.edu

**Co-PIs: Steve Dupuis, Ph.D. steve_dupuis@skc.edu
Zetra Wheeler – zetra_wheeler@skc.edu
Michael O'Rourke – michael_orourke@skc.edu
Chuck Harris – chuck_harris@skc.edu**



INSTITUTIONAL PARTNERS

The All Nations LSAMP represents 34 institutions in 12 States

Aaniih Nakoda College
Blackfeet Community College
Cankdeska Cikana Community College
Central Michigan University
Chief Dull Knife College
Dine College
Evergreen State College
Fort Peck Community College
Haskell Indian Nations University
Heritage University
Keweenaw Bay Ojibwa Community College
Lac Courte Oreilles Ojibwa Comm. College
Little Big Horn College
Montana State University-Bozeman
Montana State University-Northern
Navajo Technical University
North Dakota State University

Northwest Indian College
Nueta Hidatsa Sahnish College
Oglala Lakota College
Rocky Mountain College
Saginaw Chippewa Tribal College
Salish Kootenai College
Sisseton Wahpeton College
Sitting Bull College
South Dakota School of Mines & Tech.
Stone Child College
Tohono O'odham Community College
Turtle Mountain Community College
United Tribes Technical College
University of Idaho – Moscow
University of Montana-Missoula
Western Washington University
White Earth Tribal and Community College

Ruth Hall, Ph.D. – University of Montana

(Montana) All Nations LSAMP (Nueta Hidatsa Sahnish College and University of Montana)

Director of Native American Studies at Nueta Hidatsa Sahnish College / Co-Principal Investigator on the NSF-funded Willow Project at the University of Montana / Affiliate faculty with the Franke College of Forestry and Conservation at the University of Montana. [BIO]



Accomplishments: Dr. Hall completed a Research Experience for Faculty through the Organization of Tropical Studies in Costa Rica and served as the NSF-funded Rural Systemic Initiative coordinator. A.P. Sloan Scholar at

the University of Montana where she earned a master's degree in Organismal Biology and Ecology. Awarded a Students to Academic Professoriate for American Indians Writing Retreat (2009) and Faculty Prep (2010) and the Ford Foundation Diversity Pre-Doctoral Fellowship from the National Research Council of the National Academies. Received the University of Montana Student Diversity Leadership Award and the Research and Creative Scholarship awards. Received Doctorate in Forest and Conservation Sciences. Her research led to a NSF-funded project to develop strategies to support Native STEM faculty's professional success. She currently has fourteen publications.

Caleb Marceau, Ph.D. – Stanford University

(Montana) All Nations LSAMP (Salish Kootenai College)

Scientist, NGM Biopharmaceutical, San Francisco, CA [BIO]



Accomplishments: Received his Ph.D. from Stanford University which resulted in his thesis research being published in the journal Nature. His

post-doctoral work at Rocky Mountain Labs working with one of the leaders who developed the new Ebola virus vaccine (Heinz Feldmann) in biosafety level 4. He is currently working in pre-clinical drug discovery in the biotech industry at NGM biopharmaceuticals.

Josh Marceau, Ph.D. – University of Montana

(Montana) All Nations LSAMP) Salish Kootenai College)

Postdoctoral Researcher, Fred Hutch, Seattle, WA [BIO]



Accomplishments: Josh received his Ph.D. in Biomedical Science at University of Montana. He received his B.S. from Penn State in Microbiology, and his A.S. from Salish Kootenai

College. He is currently doing post-doctoral research on HIV.

Dereck Stonefish, Ph.D. – North Dakota State University

(North Dakota) All Nations LSAMP (Sitting Bull College)

Indigenous Allied Consulting, Fargo, ND [BIO]



Accomplishments:

He received a Ph.D. in Zoology at North Dakota State University. He is a recipient of the NSF GRFP Scholarship and EPSCoR Fellowship. He graduated

with a BS in Environmental Science, AS Environmental Science, Natural Resources and Business Management from Sitting Bull College where he was an AMP Scholar. Stonefish is actively working to improve his community.

Jeanine Snyder, Ph.D. – Central Michigan University

(Michigan) All Nations LSAMP (Central Michigan University)



Accomplishments:

She received a Doctoral Degree in Ecological Studies of Freshwater

Invertebrate Species. She has received Education Scholarships along with the All Nations LSAMP Stipend. Snyder is expecting to utilize her resources to conduct research of freshwater ecosystems with LRBOI Tribal Lands associated with Lake Sturgeon introduction efforts.

Philip Medina, Ph.D. – Central Michigan University

(Michigan) All Nations LSAMP (Saginaw Chippewa Tribal College)

Senior Battery Scientist, Sidus Energy, San Jose, CA [ENG]



Accomplishments:

Philip completed his Ph.D. in Material Science in 2017 at Central Michigan University (CMU), where he also received a B.S. in

Chemistry/Mathematics in 2012. In 2008 he received an Associate's Degree of Liberal Arts from Saginaw Chippewa Tribal College (SCTC). In 2007 he was recognized as the American Indian Higher Education Consortium (AIHEC) Student of the Year, he was also on the President's List and Dean's List at both CMU and at SCTC.

Loga Fixico, M.S. – State University of New York College of Environmental Science and Forestry

(Montana) All Nations LSAMP (Salish Kootenai College)

Graduate Research Assistant, SUNY-ESF, Syracuse, NY [BIO]



Accomplishments:

Loga was an AMP Scholar at Salish Kootenai College in Pablo Montana where he earned a B.S. in Environmental Science.

He earned a Master's Degree in Biocultural Restoration at SUNY-ESF in 2019, where he is currently employed as a Graduate Research Assistant with the Research Foundation at SUNY. He also hosts the NDN Science Show Podcast.

Alexis Archambault, M.S. - University of North Dakota

(North Dakota) All Nations LSAMP (Nueta Hidatsa Sahnish Tribal College)

Researcher, University of North Dakota, Grand Forks, ND



Accomplishments:

He has received numerous awards including the 2017-2020 ND EPSCoR Fellowship Grant, 2017-2018 American Indian College Fund Full Circle Scholarship, 2018-2019 American Indian

College Fund Full Circle Scholarship, 2018-2019 American Indian Graduate Center Fellowship, 2018 & 2019 Space Grant Consortium Travel Scholarship, 2019 AGU Talk, 2019-2020 American Indian College Fund Full Circle Scholarship.

Tyler Fouty, M.S. – Washington State University

(Montana) All Nations LSAMP (Salish Kootenai College)

Graduate Research, Washington State University, Pullman, WA [ENG]



Accomplishments:

Mr. Fouty is working towards a Ph.D. in Civil Engineering from Washington State University. His research is on

ensuring the resilience of streambed simulation culverts for prolonged fish passage. He received his Master's from Washington State University and his B.A. from Salish Kootenai College.

Virginia-North Carolina Louis Stokes Alliance for Minority Participation

PI: Dr. Kevin G. McDonald (kgm8km@virginia.edu)

Co-PIs:

Dr. Rosalyn Hobson Hargraves (rhobson@vcu.edu)

Dr. Archie Holmes (ah7sj@virginia.edu)

Ms. Kristin L. Morgan (klm3q@virginia.edu)



Institutional Partners:

Bennett College

Elizabeth City State University

George Mason University

Johnson C. Smith University

National Radio Astronomy Observatory

Old Dominion University

Piedmont Virginia Community College

Saint Augustine's University

Thomas Nelson Community College

University of Virginia

Virginia Commonwealth University

Virginia Tech

Racheida Lewis, Ph.D.

(Virginia) Virginia–North Carolina Alliance
(Virginia Commonwealth University)

Assistant Professor in Electrical
Engineering/Engineering at the University
of Georgia [ENG] [EDU]



Accomplishments: Earned an M.E. at the University of Virginia and a Ph.D. at Virginia Tech, UVVA - GEM Fellowship, VT - New Horizon Scholar and Bouchet Honor Society.

Sada Boyd-Vorsah, Ph.D.

(North Carolina) Virginia–North Carolina

Ph.D. in Applied Science and Technology specializing in Bioscience [BIO]

Alliance (Bennett College)

Accomplishments: Title III and Integrative Bioinformatics for Investigating and Engineering Microbiomes (IBIEM)



Fellowship-Awardee; Recipient of the North Carolina A&T mini-grant award; Scientists Mentoring Diversity Program (SMDP) Fellow

and Preparing Future Minority Faculty (PFMF) Fellow.

Shunafrika White, M.S.

(North Carolina) Virginia–North Carolina Alliance (Elizabeth City State University)

Ph.D. candidate in Mechanical Engineering at North Carolina Agricultural and Technical State University. [ENG]



Accomplishments: Lab Manager of Biomechanics in Operations for a Benevolent Bioengineer (BIOFABB); Fellowships - Chancellor's Distinguished Fellowship; Internships –

ORISE; Awards - 2019 GSAC Mini Grant Award Winner and two conference publications.

Corey Johnson, Ph.D.

(North Carolina) Virginia–North Carolina Alliance (Johnson C. Smith University)

Ph.D. in Supramolecular Chemistry from Jackson State University [MPS]



Accomplishments:

Currently a Glaxo Smith Kline Research and Teaching Postdoctoral Fellow in Organic Chemistry

at University of North Carolina at Asheville; earned a M.S. in Medicinal and Pharmaceutical Chemistry from Brandeis University; seven publications and one patent – “Compounds and Methods for Treating mammalian Gastrointestinal Microbial Infections”.

Morgan Barham, Ph.D.

(North Carolina) Virginia–North Carolina Alliance (Saint Augustine’s University)

Ph.D. in Immunology and Molecular Pathogenesis from Emory University [BIO]

Accomplishments: Currently employed as



Medical Science Liaison for Hologic, Inc.

Raedeem Russell, Ph.D.

(North Carolina) Virginia–North Carolina Alliance (Saint Augustine’s University)

MD student at Morehouse School of Medicine [BIO]



Accomplishments: Earned a Ph.D. in Biomedical Sciences from Morehouse School of Medicine.

Oyita Udiani, Ph.D.

(North Carolina) Virginia–North Carolina Alliance (Saint Augustine’s University)

Postdoctoral fellow at the University of Tennessee – Knoxville. [MPS]



Accomplishments: Earned a M.S. in Mathematical Biosciences from Ohio State University and Ph.D. in Applied

Mathematics from Arizona State University.

Briana James

(Virginia) Virginia–North Carolina Alliance (University of Virginia)

Ph.D. candidate at Virginia Commonwealth University (VCU) [BIO], Program Coordinator of VCU LSAMP



Accomplishments: Two publications in the Journal of Allergy and Clinical Immunology and Cell Reports; 2nd Place in 2019 VCU 3 Minute Thesis (3MT) Competition; VP of

Graduate Students for Phi Kappa Phi Honors Society and Recipient of 2017 Charles C. Clayton Award for Scholarly Achievement.

Darius Carter

(Virginia) Virginia–North Carolina Alliance (University of Virginia)

Ph.D. candidate in Mechanical Engineering at the University of Virginia



Accomplishments: National GEM Consortium (University Fellow), Society of P.R.I at the University of Virginia, and six publications.

Pacific Northwest Louis Stokes Alliance for Minority Participation

Washington, Idaho & Oregon

PI: Mark Richards provost@uw.edu



Co-PIs:

Dr. Susan Jeffords, suje2@pdx.edu

Dr. Donna Llewellyn, donnallewellyn@boisestate.edu

Amas Aduviri, Amas.Aduviri@oregonstate.edu

Daniel J. Bernardo, Ph.D., bernardo@wsu.edu

Institutional Partners:

University of Washington (Lead Institution),
Boise State University
Oregon State University
Portland State University,
Washington State University

Seattle Central College
College of the Southern Idaho,
Linn Benton Community College
Portland Community Colleges,
Yakima Valley College

Bryan Dosono, Ph.D., User Experience
Researcher

(California) PNW LSAMP (University of
Washington in Seattle)

Experience Researcher at Airbnb, Inc., San
Francisco, CA [CISE]



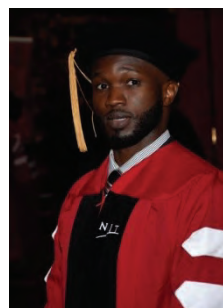
Accomplishments: Ph.D. in
Information Science and
Technology at Syracuse
University. Awarded many
scholarships and fellowships
including White House
Initiative on Asian Americans
and Pacific Islanders
Ambassador, 20 peer-

reviewed publications across premier venues
for human-computer interaction and social
computing research.

Edison C. Amah, Ph.D., Engineer

(Arizona) PNW LSAMP (University of
Washington in Seattle)

Process Engineer at Intel Corporation,
Chandler AZ [ENG]



Accomplishments:

NSBE NSF ASSIST and
LEVERAGE Travel Grant, 2018
SHPE NSF ASSIST and
LEVERAGE Travel Grant, 2017
U.S. National Committee for
Theoretical and Applied
Mechanics Travel Fellowship,
2016 NSF/LSAMP Bridge to

the Doctorate Fellowship Ford Foundation
Fellowships Honorable Mention and 13
published articles, including journal
publications and conference proceedings.

Chrissy Stachl, Ph.D. Candidate, Dept. of Chemistry: Academic Climate

(California). PNW LSAMP (University of Washington in Seattle)

Ph.D. Candidate, University of California, Berkeley [MPS]



Accomplishments: 2019-2020 UC Berkeley Graduate Student Assessment Fellowship; 2019 UC Berkeley Dean of Students Outstanding Student Leadership Award; 2018 UC Berkeley College of Letters and Science Graduate

Mentorship Award; 2017 National Science Foundation Graduate Research Fellowship Program Recipient; 2016 Ford Foundation Pre-Doctoral Fellowship Recipient; Publications in Journal of Chemical Education, Chemical Science, and Journal of the American Chemical Society.

Randi Mendes, M.S., Ph.D. Candidate, Environmental Engineering

(Connecticut). PNW LSAMP (Oregon State University in Corvallis)

Ph.D. Candidate in Environmental Engineering at the University of Connecticut



Accomplishments: Randi is a former LSAMP Bridge to Doctorate Fellow and a current GAANN Fellow. She is also the current President and founding member of the John Leadership Academy and the President of the

Student Association of Graduate Engineers.

Jacqueline J. Peña, Ph.D. Candidate, Dept. of Plant Biology

(Georgia) PNW LSAMP (Boise State University)

NSF Bridge to the Doctorate Fellow in the Department of Plant Biology, University of Georgia, Athens, GA [BIO]



Accomplishments: Field of study is Evolutionary Biology, Ecology, and Bioinformatics.

Accomplishments: Received the E. Lucy Braun Award, For the most outstanding poster presentation by a student at the Ecological Society

of America (ESA) Annual Meeting of 2018. Recipient of the NSF Bridge to the Doctorate Fellowship, 2018-2020 (\$64,000), 3 publications, most recently published in The Journal of Journal of Arid Environments, 178, 104154.

Arkansas Louis Stokes Alliance for Minority Participation (ARK-LSAMP)

Arkansas

PI: Robert Z. Carr, Jr., Ed.D.

Co-Principal Investigators:

Anissa Evans Buckner, Ph.D., bucknera@uapb.edu

Mary E. Benjamin, Ph.D., benjaminm@uapb.edu

Charles R. Colen, Jr., Ph.D., colenc@uapb.edu

Thomas Carter, tic@uark.edu



Institutional Partners:

Arkansas State University

Philander Smith College

Phillips Community College of the University of Arkansas

Southeast Arkansas College

University of Arkansas

University of Arkansas Little Rock

University of Arkansas at Pine Bluff, Lead Institution

University of Arkansas- Pulaski Technical College



KyMBERly Wimberly, M. S., (Texas). Arkansas LSAMP, (University of Arkansas at Pine Bluff).

Currently a Graduate Research Assistant/Ph.D. Pre-candidate at UT Health San Antonio for Integrated Biomedical Sciences with an emphasis in cancer immunology.

Accomplishments: Recipient of a R25 training grant. Presented Research at the following: Bugs, Antibodies, and Lymphocytes Under the Texas Sky Spring Retreat (2017-2018). [OTH]



Melanie Bolden, MPH (Washington, D.C.) Arkansas LSAMP (University of Arkansas-Fayetteville).

Currently a Biologist, United States Environmental Protection Agency and a doctoral student at the Johns Hopkins Bloomberg School of Public Health, Associate Director of One Brick- Washington, D.C. Chapter (a non-profit volunteer organization). [BIO]



Jennifer Caldwell, MPH (Washington, DC). Arkansas LSAMP, (University of Arkansas at Pine Bluff).

Currently a PhD Candidate, Howard University, Department of Genetics and Human Genetics.

Accomplishments: Master's in Public Health with the Arkansas Department of Health SISTERS United project. This project was a community based participatory project that encouraged Pan-Hellenic Sororities to take an active stance in educating women to reduce the infant mortality rate in Arkansas.



Sarenthia McClelland, M.D., MBA, ABIM, Pulmonary and Critical Care Fellow (Arkansas). Arkansas LSAMP (University of Arkansas-Fayetteville)

Currently a Pulmonary and Critical Care Fellow at the University of Arkansas for Medical Sciences. Board-certified in Internal Medicine.

Accomplishments: Presented at the American Thoracic Society and Southern Regional Meeting, Board-certified in Internal Medicine, Completed Internal Medicine residency. CHEST member. American Medical Association member. 14 case reports/research presentations.

Indiana STEM LSAMP

PI: Nasser H. Paydar chancllr@iupui.edu



Co-PIs:

Stephen P. Hundley shundley@iupui.edu

Patricia L. Lang plang@bsu.edu

Kim S. Nguyen knguyen@iupui.edu

Institutional Partners:

Ball State University
Indiana University Bloomington
Indiana University Northwest

Indiana Univ. Purdue Univ. Indianapolis
Indiana University South Bend
Ivy Tech Community College

Cesar Garcia, BS

IN LSAMP (Indiana University Northwest)



Currently: Cesar is seeking a Ph.D. in Geoscience at University of Virginia. He is a Bridge to the Doctorate Fellow.

Geoff Hutchinson, BS

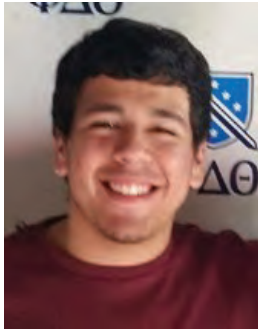
LSAMP IN (Ball State University)



Currently: Geoff is working at the National Institutes of Health Vaccine Research Laboratory and will start his doctorate program in immunology at the University of Washington in the fall.

Charles Barrios, BS

IN LSAMP (Ball State University)



Currently: Charles is seeking a Ph.D. in Chemistry at University of Arizona.

St. Philip's College: CIMA-LSAMP

Texas

PI: Randall Dawson (rdawson@alamo.edu)

Co-PIs:

George Johnson - gjohnson@alamo.edu
Klaus Bartels - kbartels@alamo.edu
Marsha Adrian - myaklin@alamo.edu
Dr. Claudia Verdin - cchagoyaverdiin@alamo.edu
Usha Gururajarao - ugururajarao@alamo.edu

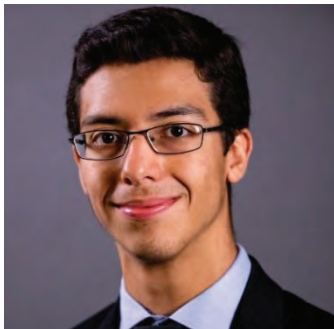


Institutional Partners:

Palo Alto College	Northeast Lakeview College
San Antonio College	Northwest Vista College
Texas A&M University—San Antonio	Ithaca College
University of Texas at San Antonio	The University of the Incarnate Word

Isaac Medina

2017-2019 CIMA-LSAMP Cohort



Medina is completing his associate of science degree from San Antonio College (SAC). He plans to transfer to the University of Texas at San Antonio in Fall 2020 to pursue a bachelor's degree in mechanical engineering. Medina is an outstanding leader with diverse technical knowledge. He landed a competitive research position with the University Of Illinois Power Optimization Of Electro Thermal Systems in the summer of 2018. Medina served as electrical and technical team leader for SAC's prototype hydrogen fuel cell vehicle that distinguished itself at the Shell Eco-Marathon Americas international fuel efficiency competitions in 2018 and 2019. In February 2020 his research presentation garnered 2nd place in the Engineering and Technology category at the Emerging Researchers National STEM Conference. He is currently employed as an intern at Southwest Research Institute.

Irene Salazar

2016-18 CIMA-LSAMP Cohort



She earned her associate's degree from San Antonio College. She is pursuing a bachelor's degree in mechatronics from the University of the Incarnate Word. She is currently a peer mentor, who leads other students by sharing her own undergraduate research experience. Her leadership accomplishments include being the electrical lead for the SAC Motorsport hydrogen fuel cell vehicle in 2017. She followed the vehicle with a successful project as the team lead for the unmanned underwater vehicle, which received a first-place award at the HENAAC Great Minds in STEM Conference in 2017. She has landed competitive internships with Northrop Grumman and the U.S. Department of Defense.

Camila Miglio

2017-2018 CIMA-LSAMP Cohort



Camila earned an associate of science degree from San Antonio College in 2018. She is currently pursuing a bachelor's degree in mechanical engineering at the University of Texas at San Antonio. Miglio demonstrated her stellar leadership ability as the first female team lead for the SAC Motorsport Team in 2017. Under her leadership, the team built a car that had a 27 percent increase in fuel efficiency over the previous year's vehicle. The car that the team built under her leadership had an efficiency of 945 miles per gallon equivalent. After graduating from San Antonio College, Miglio landed a six-month internship at a local engineering firm. After the internship, she was hired fulltime as a process engineer all while she continues her academic studies.

Islands of Opportunity Alliance LSAMP

Hawaii

PI: Bonnie Irwin bdirwin@hawaii.edu

Co-PIs:

Joseph Genz genz@hawaii.edu
Helen Turner hturner@chaminade.edu
Tom Krise tkrise@triton.uog.edu
Patrick Tellei tellei@palau.edu



Institutional Partners:

Chaminade University
College of the Marshall Islands
College of Micronesia - Federated States of Micronesia
Guam Community College
Hawaii Pacific University

Northern Marianas College
Palau Community College
University of Guam
University of Hawai'i at Hilo
University of Hawai'i at Mānoa

Johnny Tudela Aldan, Graduate Student, MPH

(Hawaii). Islands of Opportunity Alliance-LSAMP (Chaminade University)

Graduate student, MPH, Eastern Washington University, data analytic assessment of chronic disease incidence



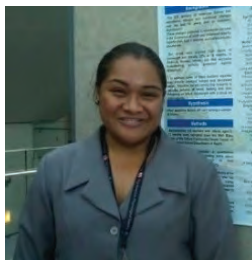
Accomplishments: Three publications from undergraduate research; Assessed healthcare data gaps, developed and implemented a framework for unprecedented data

sharing and aggregation, and performed the first in-depth analysis of chronic diseases associated with metabolic syndrome in the Northern Marianas.

Matauifafa Faiai, Graduate Student, MPH

(Hawaii). Islands of Opportunity Alliance-LSAMP (Chaminade University)

Epidemiologist, American Samoa Department of Health, data analytic assessment of chronic disease incidence



Accomplishments: Millennium Gates Scholar; accepted to Yale University for PhD in Public Health; published 2 papers; national research award; returned to home

community of American Samoa.

Tyler James Kaikookeahi Gerken, Graduate Student, MSc.

(Hawaii). Islands of Opportunity Alliance-LSAMP (University of Hawaii at Hilo)

Graduate Student, MSc in Environmental Health in the School of Public Health, Department of Environmental & Occupational Health Sciences (DEOHS) at the University of Washington, environmental surveillance of microbial infectious diseases, risk characterization and management of microorganisms.



Accomplishments:

Graduate Opportunities & Minority Achievement Program Research Assistantship Award; University of Washington Master's Fellowship, 'Imi

Na'auao Scholarship; 1 internship; 1 publication.

Alaska Alliance Alaska

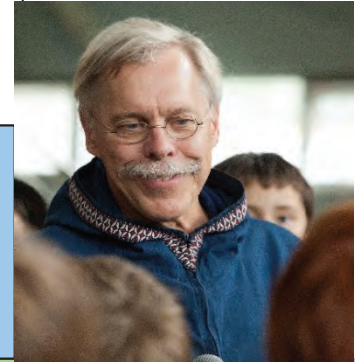
PI: Herb Schroeder, Ph.D. herb@alaska.edu

Co-PIs:

Michele Yatchmeneff, Ph.D. Michele@alaska.edu

Matt Calhoun, Ph.D. mecalhoun@alaska.edu

Brian Rasley, Ph.D. Btrasley@alaska.edu



Institutional Partners:

University of Alaska Anchorage

University of Alaska Fairbanks

University of Alaska Southeast

Matt Calhoun, Ph.D., Assistant
Professor of Civil Engineering

Alaska Alliance, LSAMP
University of Alaska Anchorage
Assistant Professor of Civil Engineering

1st and only Alaska Native PhD in Civil
Engineering in the world.



Accomplishments:

Assistant Director Alaska Native Science & Engineering Program (ANSEP). Non-provisional patent application accepted for a synthetic intervertebral disc based on shark cartilage. Six peer-reviewed publications with \$3.8 million in research funding and taught seven different courses.

Michele Yatchmeneff, Ph.D., Assistant
Professor of Civil Engineering

Alaska Alliance
University of Alaska Anchorage
Assistant Professor of Civil Engineering

1st and only Alaska Native PhD in
Engineering Education in the world



Accomplishments:

Assistant Director Alaska Native Science & Engineering Program (ANSEP). Purdue University Doctoral Graduate Fellow. ANSEP ANSEP Grow Our Own PhD Fellow. Nine peer reviewed publications with \$4.2 million in research funding. University of Alaska Anchorage College of Engineering Hall of Fame Inductee.

Kansas Louis Stokes Alliance for Minority Participation

Kansas

PI: Charles Taber, Ph.D.

Co-PIs:

Beth Montelone, Ph.D. bethmont@ksu.edu

Kimathi Choma, D.V.M., Ph.D. choma@ksu.edu

Amy Betz, Ph.D. arbetz@ksu.edu

Zelia Wiley, Ph.D. zwiley@ksu.edu



Institutional Partners:

Barton Community College
Dodge City Community College
Donnelly College

Garden City Community College
Seward County Community College
Wichita State University

Olivet Martinez, M.D. Candidate

(Kansas). Kansas LSAMP (Kansas State University)

Engineering Services Attractions Intern at Magic Kingdom, Walt Disney World, Lake Buena Vista, FL



Accomplishments:

National Action Council for Minorities in Engineering (NACME) scholar (2018 and 2019).

Co-author on three peer reviewed publications.

Nicole Doughramaji, BS.

(Kansas). Kansas LSAMP (Kansas State University)

Second year medical student at University of Kansas School of Medicine



Accomplishments:

NIH Diversity and Health Disparities Scholarship awardee. International Medical Educational Experience (Guatemala). Helped establish Kappa Delta

Chi on Kansas State University campus (2nd Latina-founded sorority on campus). Kappa Delta Chi Regional U.H.I.L. Award.

The National Science Foundation

The National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 "to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense..." NSF is vital because we support basic research and people to create knowledge that transforms the future.

At present, NSF has a total workforce of about 2,100 at its Alexandria, VA, headquarters, including approximately 1,400 career employees, 200 scientists from research institutions on temporary duty, 450 contract workers and the staff of the NSB office and the Office of the Inspector General.



Directorate for Education & Human Resources (EHR/OAD)

EHR supports excellence in U.S. STEM education at all levels, in all settings for the development of a diverse and well-prepared workforce of scientists, technicians, engineers, mathematicians and educators and a well-informed citizenry.

Assistant Director - Karen A. Marrongelle

Deputy Assistant Director - Sylvia M. James

Directorate Operations Officer - Lisa L. Jones

Division of Human Resource Development (EHR/HRD)

HRD programs support and promote activities that seek to strengthen STEM education for underserved communities, broaden their participation in the workforce, and add to our knowledge base about programs of inclusion.

Division Director - Diana Elder

Deputy Division Director - Jermelina L. Tupas

Program Support Manager - Victoria A. Smoot

The Louis Stokes Alliances for Minority Participation (LSAMP) Program

LSAMP Program Team

James Hicks
Martha L. James
Alfred W. Wilson
Cynthia R. Douglas
Michelle O. Claville
Sandra Romano

2020 LSAMP Directory Innovator and Trailblazer Edition

Alabama LSAMP

PI: Kevin Whitaker, Ph.D. kwhitaker@ua.edu
Co-PIs: Dr. Viola L. Acoff vacoll@eng.ua.edu
Dr. Joan Barth jbarth@ua.edu

Alaska LSAMP

PI: Herb Schroeder, Ph.D. herb@alaska.edu
Co-PIs: Michele Yatchmeneff, Ph.D.
Michele@alaska.edu
Matt Calhoun, Ph.D. mecalhoun@alaska.edu
Brian Rasley, Ph.D. Btrasley@alaska.edu

All Nations LSAMP

PIs: Sandra Boham, Ph.D. sandra_boham@skc.edu
Steve Dupuis, Ph.D. steve_dupuis@skc.edu
Co-PIs: Zetra Wheeler zetra_wheeler@skc.edu
Michael O'Rourke Michael_orourke@skc.edu
Chuck Harris chuck_harris@skc.edu

Arkansas LSAMP

PI: Robert Z. Carr, Jr., Ed.D.
Co-PIs: Anissa Evans Buckner, Ph.D.
bucknera@uapb.edu
Mary E. Benjamin, Ph.D. benjaminm@uapb.edu
Charles R. Colen, Jr., Ph.D. colenc@uapb.edu
Thomas Carter tic@uark.edu

California LSAMP

PI: Kim Wilcox, Ph.D. kim.wilcox@ucr.edu
Co-PIs: Richard Cardullo Ph.D. cardullo@ucr.edu
Brandon Brown, Ph.D.
brandon.brown@medsch.ucr.edu
Star Lee, Ph.D. star.lee@ucr.edu

California State University LSAMP

PI: Dr. Robert S. Nelsen president@csus.edu
Co-PIs: Dr. Lisa Hammersley hammersley@csus.edu
Dr. Semarhy Quinones-Soto
e.quinones-soto@csus.edu
Dr. Shannon Williams Shannon.a.williams@csus.edu
Dr. David Barker dbarker@american.edu

COLORADO-WYOMING LSAMP

PI: Rick Miranda, Ph.D. rick.miranda@colostate.edu
Co-PIs: Ernest Chavez, Ph.D.
ernest.chavez@colostate.edu
Kim Henry, Ph.D. kim.henry@colostate.edu
David Aragon david.aragon@colorado.edu

Florida – Georgia LSAMP

PI: Richard Alo, Ph.D. Richard.alo@famou.edu
Co-PI: J. Byron Greene Byron.greene@famou.edu

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LSAMP ALLIANCES by STATE

2020

<p>Alabama</p> <p>Alabama LSAMP GABBR LSAMP</p>	<p>Alaska</p> <p>Alaska LSAMP</p>	<p>Arizona</p> <p>WAESO LSAMP</p>	<p>Arkansas</p> <p>Arkansas LSAMP</p>	<p>California</p> <p>California LSAMP California State University LSAMP</p>	<p>Colorado</p> <p>Colorado-Wyoming LSAMP</p>
<p>Connecticut</p> <p>Northeast LSAMP</p>	<p>Dist. of Columbia</p> <p>Washington Baltimore Hampton Roads LSAMP</p>	<p>Florida</p> <p>Florida -Georgia LSAMP Central Florida B2B</p>	<p>Georgia</p> <p>Georgia-Alabama LSAMP Peach State LSAMP</p>	<p>Hawaii</p> <p>Islands of Opportunity LSAMP Strategic Transfer B2B</p>	<p>Illinois</p> <p>Illinois LSAMP Midwest Center Of Excellence</p>
<p>Indiana</p> <p>Indiana Alliance</p>	<p>Iowa</p> <p>Iowa- Illinois- Nebraska LSAMP</p>	<p>Kentucky</p> <p>Kentucky - West Virginia LSAMP</p>	<p>Louisiana</p> <p>Louisiana LSAMP</p>	<p>Maryland</p> <p>University System of Maryland LSAMP</p>	<p>Massachusetts</p> <p>Urban Massachusetts LSAMP</p>
<p>Michigan</p> <p>Michigan LSAMP</p>	<p>Minnesota</p> <p>North Star STEM LSAMP</p>	<p>Mississippi</p> <p>Mississippi LSAMP</p>	<p>Missouri</p> <p>Missouri LSAMP</p>	<p>Montana</p> <p>All Nations LSAMP</p>	<p>Nevada</p> <p>Southern Nevada- Northern Arizona LSAMP</p>
<p>New Jersey</p> <p>Garden State SAMP Northern N.J. B2B</p>	<p>New Mexico</p> <p>New Mexico LSAMP</p>	<p>New York</p> <p>NYC LSAMP SUNY LSAMP Upstate LSAMP</p>	<p>North Carolina</p> <p>North Carolina LSAMP North Carolina B2B</p>	<p>Ohio</p> <p>Ohio LSAMP</p>	<p>Oklahoma</p> <p>Oklahoma LSAMP</p>
<p>Pennsylvania</p> <p>Greater Philadelphia Region LSAMP</p>	<p>Puerto Rico</p> <p>Puerto Rico LSAMP</p>	<p>South Carolina</p> <p>South Carolina LSAMP</p>	<p>Tennessee</p> <p>Tennessee LSAMP</p>	<p>Texas</p> <p>Houston LSAMP TAMUS LSAMP UTS LSAMP CIMA B2B</p>	<p>Virginia</p> <p>Virginia-North Carolina System LSAMP</p>
<p>Washington</p> <p>Pacific- Northwest LSAMP</p>	<p>Wisconsin</p> <p>Wisconsin LSAMP</p>	<p>Costa Rico</p> <p>Organization for Tropical Studies LSAMP</p>		<p>The National Science Foundation</p> <p><i>Where Discoveries Begin</i></p>	



LSAMP Innovators and Trailblazers Moving Forward



2020