

20 Years of



Profiles of a Representative Sample of LSMAMP Participants



Expanding the Achievement of Underrepresented Minorities in Science, Technology, Engineering and Mathematics



Profiles of a Representative Sample of LSMAMP Participants

INTRODUCTION

The Louis Stokes Mississippi Alliance for Minority Participation (LSMAMP) is proud to be a part of this national structure of organizations that has been created and supported by the National Science Foundation. Along with the other member alliances, LSMAMP has made a significant difference in increasing the number of underrepresented minority students who have attained their baccalaureate, masters, and doctorate degrees in the fields of science, technology, engineering and mathematics (STEM.) The benefits to our nation of this increase in the diversity of the nation's scientists and engineers, both over the last 20 years and into the future, cannot be over estimated.

In this publication, we are sharing some of the highlights of the exceptional story of LSMAMP by presenting short profiles of 200 of the 9,058 LSMAMP students that have received STEM degrees over the first 20 years of the program.

The accomplishments outlined here of these 200 LSMAMP students tell the story of the enduring difference that the LSAMP program has made in the lives of these individuals and their families. It clearly shows that the inter-institutional and intra-institutional cooperation and collaboration

in Mississippi have been extremely successful in implementing the activities of the Alliance. While these institutions are characterized by varied campus environments and diverse ethnic populations, the Alliance has succeeded in diminishing these differences by fostering a shared mission, goals, ideas and resources. Also, a significant factor contributing to this success has been the commitment from the leadership of the Alliance institutions, and the hard work of the program directors, managers and site-coordinators.

We only hope that this publication expresses just a bit of our excitement for this program and of the opportunity it has given to so many STEM students to achieve their dreams.

Felix A. Okojie, EdD, MPH, CRA
Vice President of Research and Federal Relations
and Professor of Public Health and Education
LSMAMP PI

Abdul K. Mohamed, PhD
Dean Emeritus
LSMAMP Co-PI

Ashton Hamme, II, PhD
Associate Professor of Chemistry
LSMAMP Co-PI



The award winners from the 6th Annual LSMAMP National Research Symposium.





Turquoise Alexander received a BS in Biology from Fort Valley State University in 2010 and is currently earning a master's degree as a Bridge to the Doctorate fellow at Jackson State University. This past summer she journeyed to India for 3 weeks to gain knowledge of their research and then completed an internship at the University of California

Santa Barbara in the department of Chemistry and Biochemistry.



La'Cambrion Allen attended Hinds Community College (HCC) for two years majoring in biology. Since joining the LSMAMP program, she has been able to begin a research experience at JSU while still a student at HCC. She has now transferred to Jackson State University (JSU) to complete her BS.



Toyin Alli graduated from the University of Mississippi in Mathematics, attended a summer institute at Cornell University and is now pursuing her PhD at the University of Alabama. Toyin's research focused on Eigen values and the Google Rank Algorithm. She also presented at conferences in Tennessee and New Mexico.

She credits LSMAMP for her success: "LSMAMP introduced me to research and the importance of graduate education."



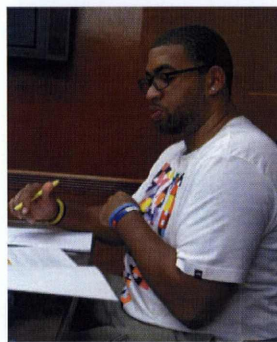
Antoinette Anderson, a Computer Engineering student, completed the Bridge to the Doctorate program (BD) at JSU. She is now pursuing her PhD at Mississippi State University. While in the BD, she was honored for her research at the Women of Color (WOC) STEM Conference, along with two other BD students, and was featured in the

October 2010 Issue of Women of Color Magazine.



Najealicka Armstrong was a member of the first cohort of Bridge to the Doctorate (BD) students. She received a BS from Alcorn State University, a master's degree at Jackson State University and is finishing her PhD at Howard University in Biochemistry & Molecular Biology. During her BD experience, she completed a summer

internship at the Lawrence Berkeley National Laboratory with Dr. Priscilla Cooper.



Jean-Claude Assad is a member of the ninth Cohort of BD students. He completed his BS in Chemistry at Jackson State University in 2011. He will be working on a master's degree with mentor, Dr. Ashton Hamme II, with whom he worked as an undergraduate.



Cortessia Badie received a BS in Biology from the University of Mississippi in 2007 and was accepted in the BD program that same year. She conducted research under Dr. Ernest Izevbigie while at Jackson State University and was accepted into a PhD program at the University of Alabama Birmingham.



Natalie Ballard received a BS in Biochemistry from Alcorn State University. She had research experiences at Kansas University, the University of Nebraska and the St. Jude Research Centers. Natalie has presented her research at an ACS conference in California and has gone on to receive a Master's degree in Chemistry from the University of Memphis.



Amanda Barner was a member of LSMAMP at the University of Mississippi. She earned a BA in Biology and went on to receive an MD from the University of Alabama Birmingham in 2008.



LaShonda Bell graduated from the University of Southern Mississippi with a BS in Mathematics. While in LSMAMP, she presented her research on Eigenvalues and the Google Page Rank Algorithm at conferences in both Tennessee and New Mexico. She plans on completing her PhD at the University of Alabama.

She says, "LSMAMP introduced me to research and to ...the importance of graduate education."



Tancia Boone received a BS in Mathematics from the University of Mississippi in 2005. She was accepted into Cohort 6 of the Bridge to the Doctorate and served her summer research internship at the University of California Santa Barbara. Tancia is currently completing requirements for MS in Mathematics

at JSU. She plans to graduate in May 2012 and is applying to the University of Mississippi and USM for a PhD.



Crystal Boston is a graduate of The Lemoyne-Owen College where she majored in Computer Science. She was accepted into Cohort 6 of the Bridge to the Doctorate and completed her summer research internship at IUPUI, where she was also accepted into the PhD program.



Novella Bridges, PhD, got her BS in Chemistry at Jackson State University in 1994 and went on to obtain a PhD in Inorganic Chemistry from LSU in 2000. Dr. Novella N. Bridges is a project manager in the Operational Planning and Logistical Group at Pacific Northwest National Laboratory.



Erika Brown is a doctoral candidate in Environmental Science at JSU, and has published 3 articles. Her dissertation is "*Molecular and Cellular Mechanisms Involved in Arsenic Trioxide Toxicity to Human Liver Carcinoma (HepG2) Cells.*"

Erika has twice presented at the International Symposium on Metal Ions in Biology and Medicine: once in Portugal as a JSU Bridge to the Doctorate fellow and once in Corsica, France. She earned her BS degree at JSU.



Tisha Brown joined Cohort 4 of the Bridge to the Doctorate after completing a BS degree in Computer Science at Mississippi Valley State University. She went to the University of California Santa Barbara for summer research experience and is currently working on her PhD at the University of Mississippi.



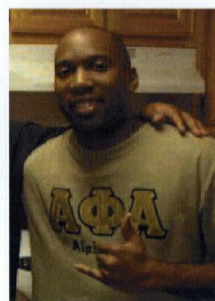
Willie Brown graduated from Mississippi State University with a civil engineering degree in 2010. Brown participated in the Phi Kappa Phi honor society and American Society of Civil Engineers. He had an outstanding academic career and maintained a 3.76 grade point average.



Lelia F. Butler was an LSMAMP member at the University of Mississippi. She earned a BS in Mathematics in 1998 and went on to achieve a Master's Degree in Mathematics from the University of North Florida.



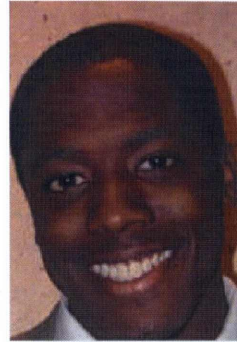
Antia Cain is a native of Detroit, MI, but came down to Mississippi to get a degree in Biology at Mississippi Valley State University. She is currently a fellow in the Bridge to the Doctorate program at Jackson State University on her way to getting a doctorate. She conducted summer research at North Dakota State University.



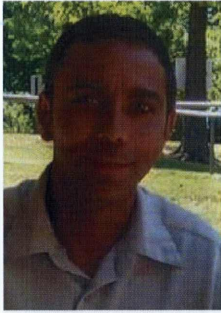
Rozerrio Camel earned his BSME in Mechanical Engineering from the University of Mississippi and went on to get a Masters in Mechanical Engineering at Purdue University. He is currently still at Purdue as he works towards his PhD. His specialization is Fluid Mechanics and Propulsion.



Lamarious Carter earned a BS in Computer Engineering at Jackson State University and joined Cohort 4 of the Bridge to the Doctorate. He spent a summer conducting research at the Army Research Laboratory. He is currently working for Raytheon Corporation and taking classes towards his doctoral degree at Arizona State University.



William Clay completed his BS degree at Mississippi Valley State University, and was a BD fellow at JSU. He is pursuing his PhD in Mathematics at the University of California Santa Barbara where he had a summer internship with Dr. Linda Petzold, an AAAS Fellow. Clay says of his time with LSMAMP, "I knew I wanted to pursue an advanced degree, but these programs gave me the confidence and the skills to see it through."



Kemal Catalan earned his BS in Chemistry at Jackson State University and his MS & PhD in Bio-Inorganic Chemistry at Michigan State University. He is currently a Principal Scientist in Upstream Materials and Technology Programs for Procter and Gamble and was a speaker at the 2011 LSMAMP Research Symposium.



Melissa Cole received a BS in Biology from the University of Mississippi in 2010. While a member of LSMAMP she conducted research through a cooperative program with AGEM. She is currently a graduate student in Biology at Mississippi College.



Carensa Cesar: Tougaloo College, 2011, with a degree in Biology. Carensa participated in summer research programs at the National Institute of Occupational Safety and Health and at Harvard. She is now a member of Cohort 9 of the Bridge to the Doctorate program at Jackson State University.



Shawn Cole completed a BS in Physics at Tougaloo College and will be pursuing a PhD in Biomedical Engineering. His undergraduate research included work with the CDC on *Homicide Rates via the National Violent Death Reporting System in (7) Selected States* and the Morehouse School of Medicine where he examined connections between Metabolic Syndrome (MetS) and CVD Profiles.



Kirbie Clark earned a BS in Biology at the University of Southern Mississippi. In the Bridge to the Doctorate program she conducted her thesis research entitled "*The study of the nature, effects, and detection of poisons and the treatment of poisons found in the environment.*" Her summer research was at the Lawrence Berkeley National Laboratory with mentor Dr. G.



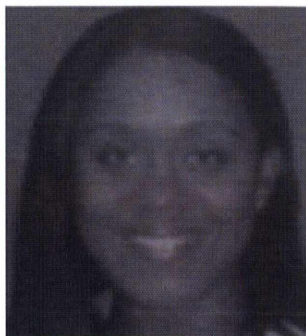
Nigel Collins graduated from Mississippi State University with a BS in Industrial and Systems Engineering in 2011 and plans to continue on to graduate school. He presented his research, *Assessment of Football Player Ankle Joint Motion during Vertical Step down Movement*, at the Southeast Regional meeting of the American College

of Sports Medicine. He also traveled internationally in May of 2010 to Italy for research.

Shyamala Harris. She was admitted to Washington University and is pursuing a PhD in Endocrinology.



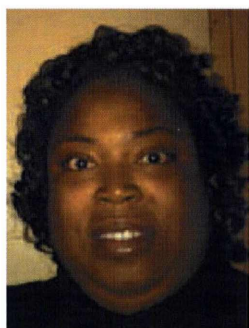
Kari Copeland was a member of LSMAMP at the University of Mississippi, where she received a BA in Chemistry in 2007. She is currently still attending the university and is working on her PhD in Chemistry.



Regina Covington-Landrum was awarded a BS in Chemistry while participating in the LSMAMP program at the University of Mississippi. She is currently working on the completion of a Masters in Biotechnology at Georgetown University in Washington, DC.



Edwin L. Cox Graduated from the University of Mississippi in 1997 with a B.S.M.E. In 2002 he returned to the University of Mississippi and completed MS in Engineering Science. Mr. Cox is currently employed as a Senior Mechanical Engineer for Engility and is a part-time doctoral student at the Catholic University in Washington, D.C.



Martinique Craft received an "LSMAMP Outstanding Senior Award" at Mississippi Valley State University where she was a biology major. She conducted research on the toxicity of *Gulf Coast Waters resulting from the British Petroleum's Deepwater Horizon Oil Spill*. She studied the effect of oil on the bioluminescent bacteria, *Vibrio fischeri*.



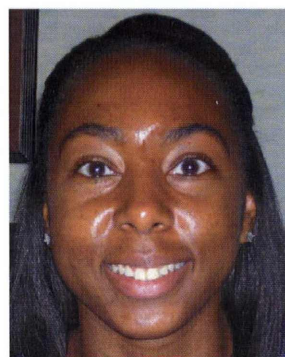
Tamara Crawford earned her BS in Mechanical Engineering from the University of Mississippi in 2002. Tamara went on to graduate school at the University of Texas and received a Master's in Mechanical Engineering. She currently works as a Senior Aeronautical Engineer for Lockheed Martin in Arlington, Texas.



Harriett Crockett earned a BS in Biology from Alcorn State University. During her tenure there, she completed a summer internship at the University of Southern Illinois, Carbondale, in which she studied the Effect of American Ginogene on Leukemia. She is currently working on a Master's degree in Biomedical Science at William Carey University.



Victoria Crockett graduated from Tougaloo College with a BS in Chemistry. She was chosen for Cohort 4 of the Bridge to the Doctorate. She completed her summer research at the University of California Santa Barbara while working with Dr. Thuc-Quyen Nguyen.



Jamye Curry earned a BS in Mathematics from the University of Mississippi while a member of LSMAMP. She received her MS in Mathematics from Mississippi State University and is now at the University of Mississippi working on her PhD.



LaShonn Curry participated in LSMAMP while a student at the University of Mississippi. LaShonn earned a BS in Computer Science in 2006 and a Masters in Engineering Science.



Vanessa Nicole Daniels graduated from Mississippi State University with a degree in Mechanical Engineering. She had several internship positions with companies such as Parker Hannifin, National Instruments, and Goldman Sachs. She also had the opportunity to do research on high rate phenomenon under the direction of Dr. Anna Xue.



Centrika Dates was awarded a BS in Biology from Alcorn State University in 2008 and was chosen to participate in Cohort 6 of the Bridge to the Doctorate program. While in the program, she completed a summer internship at the University of California San Francisco, which contributed to her thesis: *Comparative Analysis of Amino Acid Synthesis and*

Utilization of Vibrionaceae. She is currently working on her PhD at the University of Arkansas for Medical Sciences.



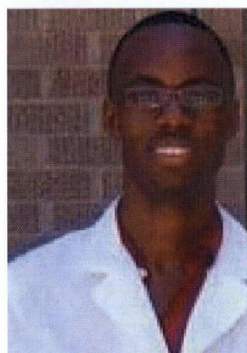
Curtistine Deere is pursuing her PhD in Environmental Toxicology at Southern University and A&M College in Louisiana. At Mississippi Valley State University, Curtistine was an active member of LSMAMP. "MAMP provided me advantages to participate in technologically advanced research using state of the art instrumentation, to travel to research conferences to compete with students from all over the United States."



Ashley Davis earned a BS in Biology from Jackson State University and joined Cohort 3 of the Bridge to the Doctorate. Her Summer Research took place at the Lawrence Berkeley National Lab with mentor of Dr. Tamas Torok. She is currently working at a lab at the University of Washington while pursuing her PhD in Pathology.



Teresa Demeritte received a BS degree from Jackson State University in 2007 in Chemistry and Biology. She joined Cohort 5 of the Bridge to the Doctorate, where she engaged in a summer internship with Dr. James Klaunig of the Indiana University School of Medicine. She is currently at Jackson State University pursuing a Ph.D. in Biochemistry.



Marauo Davis got a BS in Chemistry at the University of Southern Mississippi in 2009. He worked on *Spectroscopic Analysis of a Fluorescent Sensor Design to Detect Chemical Warfare Agents*. Marauo is currently a second year doctoral student at Texas Tech University in the field of Materials Chemistry.



Edward Dillion graduated from the University of Mississippi with a BS in Computer Science and was chosen for the Alabama alliance's Bridge to the Doctorate program. He is currently completing his PhD degree at the University of Alabama in Tuscaloosa.



Jerald Dawson earned his BS in computer engineering major at Jackson State University. He conducted research with Dr. Tanner in the field of cyber security. Jerald has completed summer internships at the University of California Berkeley and the University of Illinois. He is currently a first year Bridge to the Doctorate fellow.



Joshua Etchison was one of Jackson State University's outstanding LSMAMP Seniors, and achieved his BS in Computer Engineering. He is currently working in industry and working on his master's degree in Computer Science part-time.



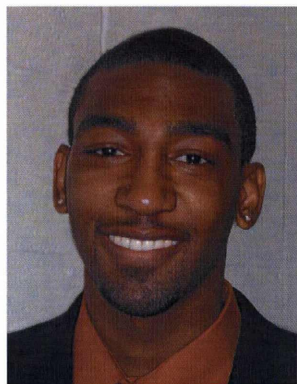
Haleigh Eubanks graduated from Mississippi Valley State University in 2010 with a degree in Biology. She is currently a second year student in the Bridge to the Doctorate Program. This past summer she traveled to India to study their research techniques and conducted a summer research internship at NIH.



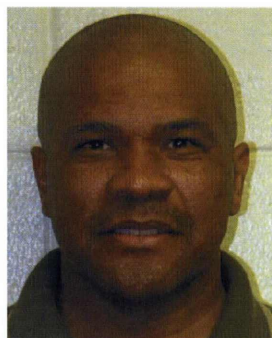
Eric Evans received his BS in Biology at Jackson State University in 2007 and was part of Cohort 7 of the Bridge to the Doctorate. His summer internship was at the University of California at Santa Barbara Marine Science Institute where he designed a project dealing with the nutritional condition of two species of sea urchins and its effects on the persistence of urchin dominated barrens. Eric is currently pursuing his PhD in Marine Biology at the University of Maryland, Eastern Shore.



Christopher Franklin is a senior at Alcorn State University, where he is working towards a BS in Radiation Technology. He has conducted summer research at the Grand Gulf Nuclear Plant with mentor Dr. Norris Edney, Jr. and presented that research at a Health Physics National Conference. Christopher plans on continuing on to graduate school in this field.



Miguel Gates earned his undergraduate degree in Computer Engineering at Jackson State University and was chosen to participate in Cohort 4 of the Bridge to the Doctorate Program. His master's thesis centered on *Using enhanced VHDL IP cores to map floating-point arithmetic cores from SRC-6 to SRC-7*. He is currently pursuing his PhD in Computer Engineering at Louisiana Tech.



Vernon German is pursuing graduate studies after many years in the engineering workforce. He is in the 9th Cohort of the Bridge to the Doctorate program at Jackson State University where he also earned a BS degree in Civil Engineering.



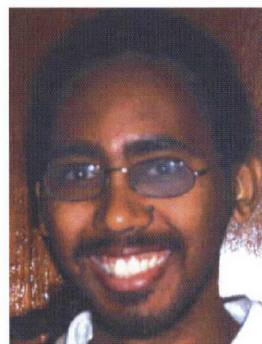
Jalarna Juanita Grant received a BS in Biological Science from the University of Mississippi in 2006 and then attained a MS of Osteopathic Medicine from Philadelphia College in Atlanta, GA. She is now completing her MD degree at the University of Mississippi Medical Center in Jackson.



JaWanda Grant graduated with a BS degree from the University of Mississippi. JaWanda says, "I don't know where I would be without LSMAMP. It made a world of difference in my path." JaWanda got a PhD in Pharmacology at the Univ. of Tennessee Health Science program in Memphis, TN, and was an NIH Ruth Kirschstein Fellow. She is the founding Director of the Quantitative Reasoning Center at Vassar College.



William Gray attended the University of Southern Mississippi in polymer sciences and won two awards at LSMAMP research conferences. Mr. Gray is currently working on a master's degree at Mississippi State University.



Chantain Greer was in Cohort 6 of the Bridge to the Doctorate program. He earned a BS in Computer Eng. at Jackson State University. He traveled to China for research there and did a summer internship at the Oak Ridge National Laboratory. Chantain was accepted into the PhD program at Louisiana Tech.



Dr. Jelani Griffin was in the Second Cohort of the Bridge to the Doctorate. She earned a BS in Chemistry at Jackson State University. Her summer research took place at the University of California Berkeley with Dr. Richard Saykally. Jelani earned her PhD in Chemistry in August of 2009 and is currently serving as a Post-doc at the University of Michigan.



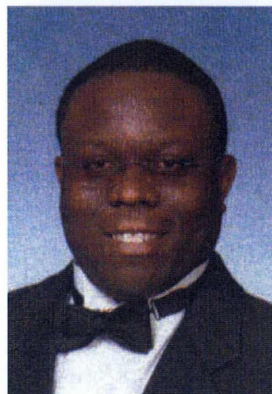
Oscar Griffin hails from Belzoni, Mississippi, and attended Alcorn State University. He earned a BS degree in Chemistry and conducted Chemical Engineering research during a summer internship at the University of Colorado, Boulder. He earned a Master's degree at Indiana University in Bloomington. His thesis is entitled *Cynergy of Interferon in Hepatitis C*.



Diahanna Hackett received her BS degree in Biology from Jackson State University and was selected for Cohort 5 of the Bridge to the Doctorate program. Upon completion of the program, Diahanna received a GEM fellowship to continue her studies while working for a firm in Pittsburgh, PA.



Shelton Griffith received a BS degree in Biology from Jackson State University and has been chosen to be in Cohort 9 of the Bridge to the Doctorate program. He will be continuing his research with Dr. Raphael Isokpehi in bio-informational statistics.

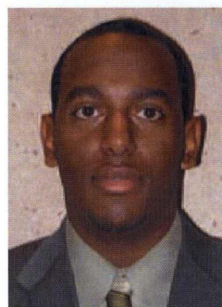


DeGail Hadley graduated in 2004 from Delta State University as an LSMAMP student of the year. DeGail participated in two summer research programs at Mississippi State University and co-authored a paper that was published in *Biotechnology Progress*. DeGail went on to receive a doctorate degree in Osteopathic Medicine from Kansas City University of Medicine and Biosciences.



Jameka Grigsby received a BS in Biology from Jackson State University in 2010 and was chosen to be in the Bridge to the Doctorate program. This past summer, she traveled to India and completed a research internship on the campus of Indiana University School of Medicine under the mentorship of Dr. Yuichiro Takagi researching:

The determination of the structure of the functional domain of Mediator complex in transcription regulation.

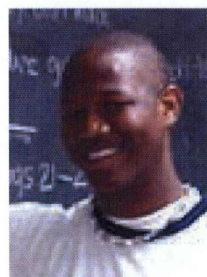


Samuel Haile got his BS degree in Biology from Jackson State University in 2005. He was chosen for Cohort 3 of the Bridge to the Doctorate where his master's thesis, under Dr. Ernest Izevbogie, was entitled *Lead Nitrate Induced Cytotoxicity in Human Promyelocytic Leukemia (HL60) Cells*. His summer internship was conducted at

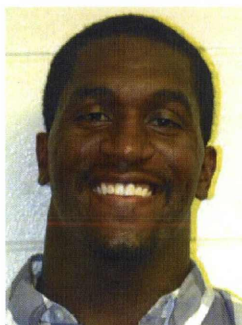
Lawrence Berkeley National Lab with Dr. Mary Barcellos. Samuel is working on his PhD at University of Maryland Baltimore County.



La'Shawn Grissom is a senior chemistry major at Jackson State University. She conducts faculty mentored research with Dr. Ming-Ju Huang in computational chemistry. She also completed a summer internship at the Mississippi State Crime Lab.



Kevin Hall received his BS in Biology from the University of Mississippi in 2004. He received a Research Fellowship in Infectious Diseases from the Harvard Medical School and went on to receive a medical degree at Georgetown University School of Medicine.



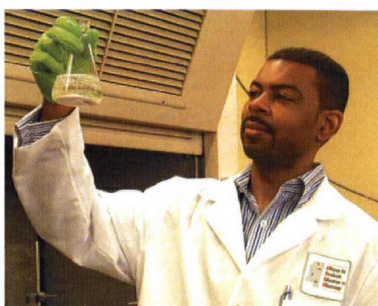
Eric Gullede earned a BS degree in Biology from Jackson State University in 2008. After teaching school, Eric decided to follow his passion for science and has returned to JSU for a PhD degree. Eric was selected to be a participant in Cohort 9 of the Bridge to the Doctorate program.



Sakeli Hall is a graduate of Tougaloo College and is a second year Bridge to the Doctorate fellow in Biology at JSU. Her research started in high school in a program with the UM Medical Center and continued for four years at Tougaloo. Sakeli traveled to India for three weeks and then on to a summer research experience at IUPUI. She is finishing her thesis and is applying to doctoral programs.



Crystal Harris received a BS in Computer Engineering from Jackson State University and joined Cohort 7 of the Bridge to the Doctorate program. She went to China to research at Shaanxi Normal University and completed a summer research experience at the Environmental Research and Discovery Center in Vicksburg, MS. She completed her master's degree and was admitted into the PhD program at Louisiana Tech.



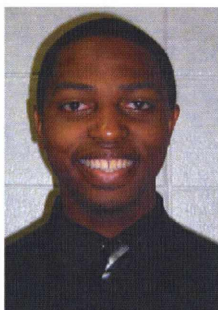
Dr. Ashton Hamme

II: A native of Michigan, Dr. Hamme was a Jackson State University (JSU) student and LSMAMP participant who went on to get his PhD in Synthetic Organic Chemistry from The Ohio State University and worked at Monsanto/

Pharmacia where he was a co-inventor on over 10 patents. Currently, he holds the position of Associate Professor at JSU and is the co- P.I. of the LSMAMP program.



Leo Alexander Harris, an undergraduate student in the biology department at Jackson State University, won the Gilman Scholarship study abroad award and is currently in Nicaragua carrying out medical research at the Bluefields Indian Caribbean University.



William Hardy earned his BS in Chemistry from Jackson State University in 2006 and joined Cohort 4 of the Bridge to the Doctorate. His master's thesis research work was in *Nanoparticle Based FRET (Fluorescence Resonance Energy Transfer) Assay for Detection of Biological Agents*, which he conducted under the supervision

of Dr. Paresh Ray. He is currently working on his PhD in Chemistry at the University of Florida.



Tyisha Traylor Hathorn was a member of the first cohort of Bridge to the Doctorate students. Tyisha's summer external research experience was conducted at the Lawrence Berkeley National Laboratory with Dr. Scott Taylor. She went on to achieve her PhD at Albany Medical College in Neuropharmacology and Neuroscience and is currently serving as a Post-doc at the University of Florida.



Antoneicka Harris completed a BS in Biology at Jackson State University in 2009 and became part of Cohort 8 of the Bridge to the Doctorate. This past summer, Antoneicka traveled to India and completed a research internship at the National Institutes of Health in Bethesda, Maryland.



Tyra Hayes hails from Chicago and got her BS degree in Biology at historic Tougaloo College. She performed research in the summer at Michigan State University entitled, *Downstream of Tyrosine Kinase 1 and its role in the Aryl Hydrocarbon mediated toxicity* and presented at the New England Science Symposium, Harvard and at ABRCMS.



Essence Henderson came to Alcorn State University from Centerville, IL. She is currently a senior and is working towards her BS in Chemistry. She has spent a summer conducting research in India and plans on pursuing graduate studies.



Lenore Hicks: BS in Chemistry from Jackson State University and was chosen for Cohort 2 of the Bridge to the Doctorate program. Lenore completed an external summer research experience at the University of California Santa Barbara under Dr. Jeffrey Bode and is currently finishing her doctoral dissertation in Organic Chemistry at Jackson State University under Dr. Ashton Hamme II.



Brandon Hill received a BS in Biology from Jackson State University and joined Cohort 6 of the Bridge to the Doctorate. He traveled to China with members of his Cohort to study at Shaanxi Normal University in Shaanxi Province and completed a summer internship at Indiana University. He is currently working on his PhD at the University of Alabama, Tuscaloosa.



Glake Hill, Jr., PhD, received a BS in chemistry from Tougaloo College. His experience with Dr. Jerzy Leszczynski convinced him to pursue research and to teach. He earned a PhD in Computational

Chemistry at Jackson State University and a post-doc at the University of California Berkeley. Glake returned to join the faculty at Jackson State University, where he is now an Associate Professor and mentors LSMAMP students in his lab.

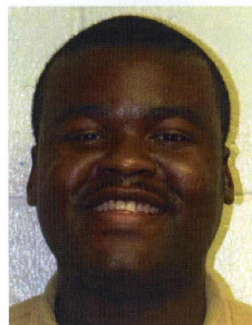


Eric Holman has a BS in Math from Mississippi Valley State University and was in Cohort 7 of the Bridge to the Doctorate. He traveled to China for a research experience at Shaanxi Normal University in Shaanxi Province and completed a summer internship at IUPUI.

He is currently working for the Mathematics Department at Jackson State University and applying to PhD programs.



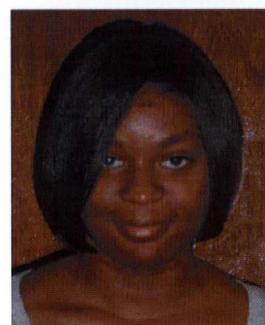
Alvin Holton received a BS degree in Computer Eng. at Jackson State University and entered Cohort 2 of the Bridge to the Doctorate. Alvin carried out summer research at Lawrence Livermore National laboratory. He went on to work with Raytheon in Arizona and is now being sponsored by that company to attain a PhD.



Andrew Hooker joined Cohort 9 of the Bridge to the Doctorate program and is the first participant from the area of Civil Engineering. Andrew attained his BS at Jackson State in 2011. He will be applying next year to PhD programs and for fellowship support.



Mildred Howard came to Alcorn State University from Lorman, MS, and earned a BS in Biology. Mildred continued at Alcorn State University to earn a Master's degree in Education. She is currently teaching high school chemistry.



Shantelle Hughes was a member of Cohort 6 of the Bridge to the Doctorate. She has a BS in Chemistry from Jackson State. During the BD program she traveled to China and completed a summer internship at IUPUI. Shantelle is currently at Jackson State University working on her PhD.



Stephanie Hughes came to Cohort 5 of the Bridge to the Doctorate program after receiving a BS in Biology at Jackson State University. Her summer research experience was carried out at the Broad Institute in Boston, where she had conducted research as an undergraduate. Stephanie is currently working on her PhD degree at Carnegie Mellon.



Ronderio Hunt received a BS from Alcorn State University in Applied Science/ Electro-mechanical Technology. He participated in a summer research experience at the National Oceanic and Atmospheric Administration in Maryland. He is currently working on a MS degree in Electrical Engineering at Howard University.



Robert Hutchins is an Industrial Technology student at Jackson State University. He presented his research at the IEEE Geoscience and Remote Sensing Symposium (IGARSS) in Vancouver, Canada. Hutchins' work focuses on the potential harm that can be caused if the ozone layer is depleted

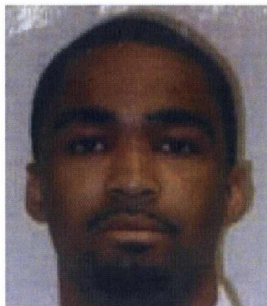
by air toxins and pollutants. Hutchins plans to continue his studies in graduate school upon graduation.



Mohamed Idris got a BS in Computer Eng. from Jackson State University and was in Cohort 6 of the Bridge to the Doctorate program. He traveled to China for a research experience and completed a research internship at the Oak Ridge National Lab. Mohamed was accepted into the PhD program at Louisiana Tech.



Dr. Kesmic Jackson went to Alcorn State University and received a BS in Chemistry. LSMAMP assisted her in obtaining summer internships at the University of Memphis, Mississippi State University and Tulane University. Kesmic went on to earn a PhD at Tulane University and is currently serving on the faculty at Georgia State University and as a researcher at Emory University, both in Atlanta, GA.



Marlon Jackson attained a BS in Computer Science at the University of Mississippi in 2005 and continued there to earn an MS in Engineering Science in 2007. He credits the LSMAMP program for preparing him for his graduate studies in STEM.



Rene Jackson-Davis graduated from the University of Southern Mississippi with a double major in Industrial Engineering & Technology and Spanish in 2009. She served four separate internships as an undergraduate and is currently seeking a Masters of Mathematics Education at the University of Saint Thomas. She

states, "LSMAMP is a great program that provided me with academic support during my undergraduate career. In addition, this program encouraged me to pursue an advanced degree to help educate minorities on the importance of STEM."



Melva James participated in the LSMAMP program at the University of Mississippi and was awarded a BS in Chemistry in 2001. Melva is currently a PhD candidate in Human Centered Computing at Clemson University.



Jessica Jenkins attended Tougaloo College and attained her BS in Biology in 2011. She is a new member of Cohort 8 of the Bridge to the Doctorate program and is looking forward to beginning her thesis research and going on for her PhD. While an undergraduate, she completed a 10 week internship with Dr. Huey-Min Hwang of Jackson

State University on *Choosing safe dispersing media for C60 fullerenes by using cytotoxicity tests on the bacterium Escherichia coli.*



Amber Johnson received her BS degree from The LeMoyne Owen College in Computer Science. She was accepted into Cohort 9 of the Bridge to the Doctorate program. She will be working with her research mentor, Dr. Gordon Skelton, to complete her master's thesis.



Martha Johnson earned a BS degree from JSU. She is a member of Cohort 9 of the Bridge to the Doctorate program and is fervent about getting her PhD in Chemistry. She returned to graduate school to “open up opportunities” in her life. She is fully involved in the research she is doing with Dr. Zikri Arslan in Environmental Chemistry, where she

works on detecting *The metal ion concentration of Metal Oxide Nanoparticles*.



Rosalyn Johnson joined Cohort 6 of the Bridge to the Doctorate with a BS degree in Computer Science from Rust College. She secured a summer internship at Indiana University, Bloomington and is enrolled in a PhD program at Memphis University.



William Johnson earned a BS in Biology from Jackson State University and joined Cohort 4 of the Bridge to the Doctorate. He spent a summer at the University of California Santa Barbara, where he completed an internship in Dr. Mary Ann Jordan’s lab. William is pursuing his PhD degree at Jackson State University in Environmental Science.



and is practicing dentistry at Kool Smiles in Jackson, MS.

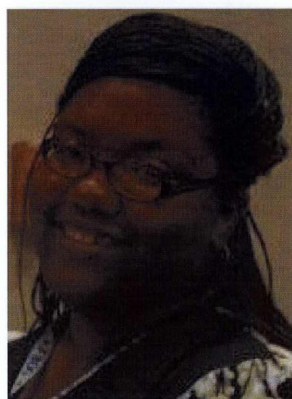
Deidra J. Jones graduated from Alcorn State University with a BS in Biochemistry. During her undergraduate days, Deidra spent summers conducting research internships at the Grand Gulf Nuclear Plant, Johns Hopkins University and in India. She went on to earn her DMD at the University of Mississippi Medical Center



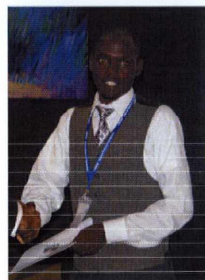
Luella Jones received a BS degree in Chemistry at Alcorn State University with a 4.0 GPA. She had a number of summer research internships including one at Hope College in Michigan, where her research focused on *Understanding the Mechanism of β -ODAP Neurotoxicity*. Luella is working on her MS at Hampton University.



Vyvyca Jones earned a BS in Chemistry from Jackson State University and was admitted into Cohort 4 of the Bridge to the Doctorate program. She completed a summer internship under Dr. Dzwokai “Zach” Ma at the University of California Santa Barbara and is studying for her PhD at the Univ. of Michigan.



Khriisaundra Journey came to Mississippi Valley State University as a first generation college student and attained a BS degree with a double major in Biology and Chemistry. She plans to go to graduate school at the University of Mississippi Medical Center in the Master’s of Science/ PhD in Biophysics and Physiology.



Daniel Kibet is a senior at Mississippi Valley State University in Biology. He won First Place in Poster Presentations this year at the LSMAMP Research Symposium. His research was entitled, *Distinctive Sequence Features of Candida Albicans Universal Stress Proteins*.



Syreeta Knight joined the Bridge to the Doctorate after completing the BS in Computer Science at Jackson State University. Her summer research experience was under Dr. Divyakant Agrawal at the University of California Santa Barbara and she was accepted into the PhD program at Georgia State University.



Sharee Laster received a BS in Computer Engineering at Jackson State University and was a member of Cohort 2. Her summer research was conducted at the Lawrence Berkeley National Laboratory with Dr. Virgil Kohlhepp. Sharee was accepted into the PhD program at Mississippi State University in Computer Engineering.



Sharon R. Lay was a member of the LSMAMP program at the University of Mississippi where she earned a BE in Engineering in 1996. Sharon went to the University of Tennessee, Knoxville, to earn a master's degree in Material Science and Engineering.



Dr. Montray Leavy earned his BS in Analytical Chemistry at the University of Mississippi in 1993 and continued there. He received his PhD in Electrochemistry in 1999. As a member of LSMAMP, Dr. Leavy received encouragement to continue his studies and enjoyed the opportunities to travel to research conferences. Dr. Leavy currently works in Hsinu, Taiwan, as a research scientist and has co-authored more than 5 peer-reviewed journal articles.



Kristen Lewis was a Tougaloo College graduate (2009), and a Chemistry major. and spent three (3) years as a research assistant in the Jackson Heart Study under the mentorship of Dr. Sarah Buxbaum. She was accepted into the Bridge to the Doctorate Program (BD) and is working on her PhD at JSU with

Dr. Glake Hill, Jr., in Computational Chemistry and has traveled to China to learn about research there and served a summer research internship at Indiana University.



Antoinette Liles is a student at Jackson State University and a Chemistry major who went to Costa Rica this past summer to conduct research and to learn the language and culture.



Sharifa T. Love is a senior Honors Program student at Tougaloo College studying Chemistry. Through LSMAMP, she is active in tutoring in Chemistry and Trigonometry. Sharifa plans on attaining a PhD from the University of Alabama.



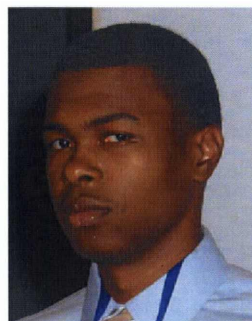
Ales-cia Malone: BS in Computer Engineering from Jackson State University. As a member of Cohort 7 of the Bridge to the Doctorate program, she was recognized for her research in high performance reconfigurable computers at the Women of Color STEM Conference. She interned at the Engineer Research and Development Center in

Vicksburg, MS. Ales-cia is currently working on her PhD at the University of South Florida.



Andrea Marshall: University of Southern Mississippi, 2008, BS in Chemistry. She served as VP of the LSMAMP student body and conducted Undergraduate Research in the Department of Chemistry and Biochemistry. She was also a recipient of a Northrop Grumman scholarship.

Andrea is currently at the University of Alabama, Birmingham pursuing a PhD.



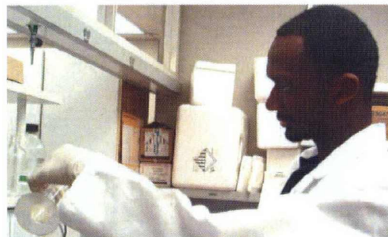
William Martin is an LSMAMP scholar who attends Tougaloo College. He conducted research this past summer in New York at the Brookhaven National Lab with Dr. Armstrong and Justin McDowell. The title of his research is *Perfluorocarbon Tracer Permeation Study on Silicone and Urethane Elastomers*. William presented his research at the 2011 LSMAMP Research Symposium.



Angela McClendon is a senior chemistry major at Jackson State University. She conducts faculty mentored research with Dr. Ken Lee in the area of biodiesel fuel production. Next year she will be pursuing a degree in pharmacy.



Cecilia Newsome McGowan: At Alcorn State University, the LSMAMP program expanded Cecilia's experience of research techniques. Dr. McGowan attained a Masters degree in Chemistry from the University of Arkansas at Fayetteville and then a PhD in 2008 in Environmental Toxicology at Jackson State University. She is currently teaching at Crystal Springs High School in MS.



Eric McClendon earned his BS in Chemistry at Jackson State. Eric was chosen for the first cohort of the Bridge to the Doctorate Program and

received his PhD in 2009 from JSU under the direction of Dr. A. Hamme II. Dr. McClendon is completing his medical studies at the University of Mississippi Medical Center and is positioned to become one of the few African American PhD/MD's in the United States.



Ricky McGruder received his BS degree at Jackson State University and became a member of Cohort 5 of the Bridge to the Doctorate Program. His external summer research experience was at the Wroclaw Technological University in Poland. Ricky is currently a doctoral student in Computer Engineering at Mississippi State University in Starkville, MS.



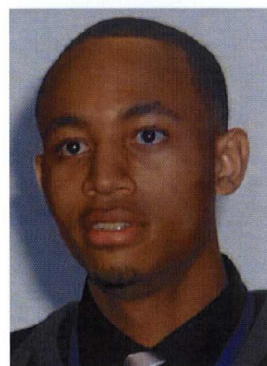
Jacqueline McComb earned a BS degree at Alcorn State University and completed 3 summer research internships. Jacqueline was selected for Cohort 7 of the Bridge to the Doctorate program, traveled to China for research for three weeks and served her summer internship at the University of Southern Mississippi.

Jacqueline is in the PhD program in Environmental Science at Jackson State University.



Angela Fortner McKoy, PhD: BS Degree in 2004 at Jackson State. She joined the second cohort of the Bridge to the Doctorate Program and did her external summer research experience at Berkeley National Laboratory with Dr. Richard Mathies. Dr. Fortner McKoy published two papers while attaining her master's degree.

She earned her PhD at Princeton University in 2011. She is currently serving as a post-doc at Rutgers University.



Justin McDowell is a senior at Tougaloo College. He conducted research this summer at the Brookhaven National Lab with Dr. Armstrong. The title of his research is *Perfluorocarbon Tracer Permeation Study on Silicone and Urethane Elastomers*. Justin won an award for his poster presentation at the 2011 LSMAMP Research Symposium.



Olivia D. McNair earned a BS in Polymer Science at the University of Southern Mississippi in 2009. Her research: *Effect of Amine Structure on Thermal and Mechanical Properties of Epoxy Networks*. Olivia is at USM working on her PhD. Her dissertation is entitled Thermal and Mechanical Properties of Novel

Thiol-Ene Networks. She already has one publication and three in the pipeline.



Cynthia C. McOliver, PhD, was in LSMAMP at the University of Mississippi where she earned a BS in Biological Science in 1997. She went to Johns Hopkins School of Public Health and achieved a MS in Public Health in 2001 and a PhD in 2009. She is working with the Assoc. of Schools of Public Health and Environmental Protection.



Danielle McShan earned her BS in Chemistry at Talladega College and was admitted into Cohort 5 of the Bridge to the Doctorate program. She completed her summer research at IUPUI and is working on her PhD at Jackson State University with her mentor, Dr. Hongtao Yu, Professor and Chair.



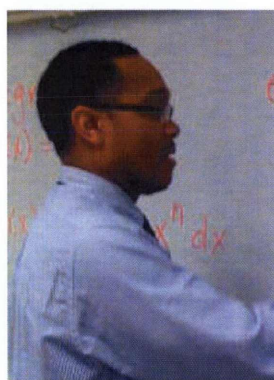
Sondra Moncure joined LSMAMP while attending Hinds Community College where she studied Biochemistry. She conducted summer research with mentor Dr. Clement Yedjou of Jackson State University and plans to continue her education to become a physical therapist.



Caronda Moore earned her BS in Biology at Jackson State University and joined Cohort 2 of the Bridge to the Doctorate program. She conducted her summer research internship at the Lawrence Livermore National Laboratory with Dr. Monique Cosman. Caronda received her PhD in 2011 from the University of Nebraska.



Terrance Moore was a member of LSMAMP at Jackson State University where he earned a BS in Computer Science. He was chosen to participate in Cohort 7 of the Bridge to the Doctorate program. Terrance completed a summer internship at Purdue University in cyber security and is currently pursuing his PhD at the University of Colorado.



Brandon Morgan received his BS degree from Alcorn State University in Math. He had summer internships at the University of Southern Mississippi, the Walter Reed Army Hospital and the NASA Aim Center in California. He went on to earn a MS degree in Mathematics from the University of Alabama in Tuscaloosa and is now a Mathematics Instructor at Central High School in Tuscaloosa, Alabama.



Markeeva Morgan earned a BSEE in 2001 at the University of Mississippi. He went on to Catholic University and achieved a MS in Engineering Management in the field of Nuclear Reactor Design and Propulsion Plant Design. He is now the manager of the Advanced Defense Technology Cluster Project at the Von Braun Center for Science and Innovation.



Kevin Morris is a graduating senior at the University of Mississippi in Biology. During the past two summers he has conducted research on: *Effects of miRNA Regulation on Beta-tubulin Isotypes*. He is determined to continue on to attain a PhD.

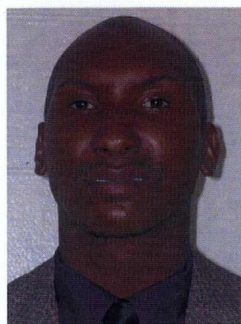


Dr. Charity Mosley graduated from Norfolk State University with a BS, and earned her MS in Chemistry from Jackson State University. She was in the first cohort of the Bridge to the Doctorate. Her summer research internship was conducted under Dr. Jose Centeno at The Armed Forces Institute of Pathology. Charity earned her PhD in Chemistry at Jackson State University and is currently working for the U.S. DEA in Dallas, TX.



Dr. LaToya Myles earned a BS in Chemistry at Alcorn State University. She went on to earn a PhD at Florida A&M. She said, "I wasn't comfortable entering a field where I wasn't sure of the answers. Dr. Stewart said that science is all about not knowing, about having questions and seeking answers." Dr. Myles earned degrees in chemistry,

biology and environmental science. She is a researcher and "doctor" at the National Oceanic and Atmospheric Administration.



Dr. Brian Napolion earned a BS degree from JSU. A member of cohort one of the Bridge to the Doctorate, Brian completed his summer research at the University of California Berkeley and the Lawrence Berkeley Laboratory under the guidance of Dr. Martin Head-Gordon, Professor of Chemistry UC Berkeley.

Brian received his PhD in Physical Chemistry at Jackson State University. He is currently completing a Post-Doc with the JSU Physics Department.



Dr. Kylie Nash joined the first cohort of the Bridge to the Doctorate with a BS in Computer Science from Jackson State University. Kylie completed summer research internships at the Engineering Research and Development Center in Vicksburg, MS, and at the University of California Santa Barbara. She has completed her PhD in Industrial

Engineering at Mississippi State.



Jiman Nelson graduated as a Physics major at Jackson State University and was a LSMAMP senior award winner. He published a paper entitled, "*The Viability of a New Carbonyl Azide Conformer: A Coupled-Cluster Analysis of the Structure and Thermo-chemical Properties of OC(N3)2 Species.*" He will be interning at Corning and then plans to attend dental school.



Crystal Nevels received her BS in Computer Science at Jackson State University and joined Cohort 2 of the Bridge to the Doctorate. Her summer internship was conducted at the University of California Santa Barbara with Dr. Ambuj Singh. Crystal was admitted to the PhD program at Mississippi State University.



Rafael Nicks is an undergraduate student at the University of Southern Mississippi. He plans on obtaining a Masters degree in Biological Sciences and an MD-PhD. He conducted research with Dr. Lainy Day and presented his work on the *Effects of Scopolamine and Schizandrin on Spatial Ability in Zebra Finches* at the Neuroscience

Conference in San Diego, CA.



Zakiya Nicks was at Alcorn State University, where she earned a BS degree in Chemistry. She conducted research in summer internships at Louisiana State University and at Yale University. ZaKiya attained a degree in Optometry at the University of Alabama, Birmingham, and is currently an Associate Professor of Optometry

at the Southern College of Optometry in Memphis, Tennessee.



Abenezer Nida was honored by LSMAMP as being an outstanding senior as he was completing his BS degree in Civil Engineering at Jackson State University (JSU). During the summer he conducted research at the University of Illinois- Urbana Champaign entitled *HMA Density Determination Through The Use Of Ground Penetrating Radar*. He is currently pursuing

a master's degree in Civil Engineering at JSU.



Nancy Nwakanma entered Florida A&M University, where she received a BS in Biology, and came to Jackson State University to join Cohort 3 of the Bridge to the Doctorate program. She conducted her summer research at the University of California Santa Barbara under Dr. Kathleen Foltz. Nancy is completing her PhD in Biological Sciences at the University of Georgia Medical School in Augusta, GA.



Wanda Payne received the BS in Mathematics from MS Valley State University. At Jackson State University, she joined Cohort 5 of the Bridge to the Doctorate program. She did her summer research at the University of Mississippi and is currently there working on her PhD.



Kevin Pace received a BS degree in Computer Engineering at Jackson State University and was admitted into Cohort 4 of the Bridge to the Doctorate program. He conducted his summer internship at the Experimental Research and Development Center in Vicksburg, MS, and worked with Dr. Gerald Morris. Kevin was accepted into the PhD program at Louisiana Tech.



Nikea Peay majored in Computer Engineering at Jackson State University and was on full scholarship to play golf. She was a part of Cohort 7 of the Bridge to the Doctorate and she was honored at the Women of Color (WOC) STEM Conference as one of three Bridge to the Doctorate students who were awarded for their research. They were also featured in the October Issue of Women of Color Magazine. Nikeya was accepted into the doctoral program in Computer Engineering at Howard University.

for their research. They were also featured in the October Issue of Women of Color Magazine. Nikeya was accepted into the doctoral program in Computer Engineering at Howard University.



Eddie Parker: In 7th grade he was awarded a trip to represent JSU in Washington, D.C. to present his research at a conference sponsored by the Science and Engineering Alliance (SEA) and the Department of Energy (DOE). Parker wowed the crowd. As Dr. Bob Shepard of SEA said, "This young man was so impressive during his presentation before over 300 people." In the fall of 2009, Parker entered Jackson State University in biology with a Presidential academic scholarship and is a member of the LSMAMP.

of the LSMAMP.



Brittany Pegues was in the LSMAMP program at the University of Mississippi and received a BS in Biology. She went on to the University of Memphis and earned a master's degree in Health Administration. She is currently a PhD student in pharmacology at Xavier University in New Orleans, LA.



Carvey Patterson did his undergraduate work at Jackson State University where he received a BS in Biology. He was admitted into Cohort 6 of the Bridge to the Doctorate program and is currently working on his PhD in Environmental Science at Jackson State.

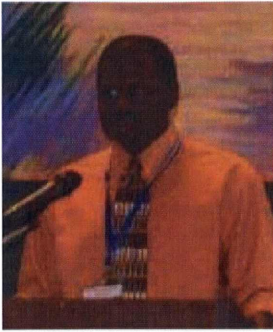


Canelda Perry earned her BS degree in Biology at Jackson State University and was chosen to participate in Cohort 3 of the Bridge to the Doctorate. Canelda performed her summer external research experience at the University of California Santa Barbara with mentor Dr. Tod E. Kippin. She was accepted in a doctoral program at the University of Nebraska

and is currently completing a PhD in Nursing.



Marcy Pilate: joined Cohort 8 of the Bridge to the Doctorate after earning her BS in Chemistry at Millsaps College. She is in her second year and completed a summer internship at the University of Arkansas.



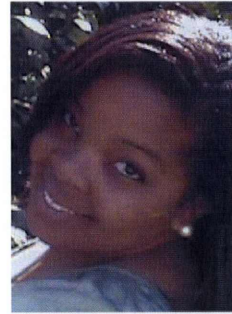
Chris Presley is a senior at the University of Mississippi and is working on a degree in Biological Science. He conducted research this past summer with Dr. Colin Jackson on *Assessing the Naturally Occurring Bacteria within Consumable Produce*. He presented his research at the 2011 LSMAMP research symposium.



Jennifer M. Riley, PhD, earned a BS in chemical engineering and her master's and PhD in industrial engineering at Mississippi State University. She credits LS-MAMP with exposing her to career options she had not known existed. Riley supervises a research group in exploring the use of virtual reality and games in training users in cognitive skills for federal agencies, including the U.S. Department of Defense.



Aisha Reed: a BS degree in Chemistry from Tougaloo College. With acceptance in the Bridge to the Doctorate program, Cohort 9, she will be able to prepare for a doctorate in Chemistry. She will be working with Dr. Ruomei Gao in the area of Biochemistry.



Ariel Rogers is attending the University of Mississippi and earning a BS in Biochemistry. She conducted research this past summer with Dr. Susan Pedigo on "*The Effects of the Histidine-Alanine-Valine Peptide on the Dimerization of Neural Cadherin.*"



Justin Rice: BS Computer Engineering from JSU. He researched *Using enhanced VHDL IP cores to map floating-point arithmetic cores from SRC-6 to SRC-7* and had an internship at the Engineering and Research Development Center (ERDC) with Dr. Gerald Morris. Mr. Rice is currently a doctoral student at Louisiana Tech University.



Jetaime Ross earned a BS in Biology from Jackson State University and was chosen for Cohort 5 of the Bridge to the Doctorate program. While in that program, she completed a summer internship at the National Institutes of Health and worked on her thesis research with Dr. Ernest Izevbigie. She presented her work at the International Symposium on Metal Ions in Biology and Medicine in Corsica, France. Jetaime is now working on her PhD at Michigan State University.



Dr. Mekel Richardson earned a BS at JSU and was in the first cohort of the Bridge to the Doctorate. Her summer research at the NIH with Dr. Ana Robles was extended into her MS thesis on *Short hairpin-mediated silencing of the p53 tumor suppressor gene in human cancer cell lines and its impact on survival in response to chemotherapy*. She finished her PhD at the University of Tennessee, Memphis, in Cancer and Developmental Biology and is doing a post-doc at the University of Tennessee Health Center in Memphis.



Tiffany Russ earned a BS in Chemistry at Jackson State University and has just been admitted into Cohort 8 of the Bridge to the Doctorate program. She is already conducting research with her mentor Dr. Hossain and will be graduating next year. She will be bridging to a PhD program either at Jackson State University or another institution.

finished her PhD at the University of Tennessee, Memphis, in Cancer and Developmental Biology and is doing a post-doc at the University of Tennessee Health Center in Memphis.



Luther Samuel, Jr. is a senior computer engineering major at Jackson State University and conducts cyber security research with Dr. Gordon Skelton. Luther plans to apply to the Bridge to the Doctorate program.



Ashley Sanders earned her BS in Mathematics from the University of Southern Mississippi and joined the Bridge to the Doctorate program in Cohort 7. She did her summer research at North Carolina State University and completed her master's thesis under mentor Dr. Tor Kwembe, Chair of the Department. Ashley has

recently entered the doctoral program in Mathematics at the University of Alabama, Huntsville.



Kendrick Savage was an LS-MAMP student at the University of Mississippi where he attained a BS in Mathematics in 2006. He earned a Master's degree in Mathematics from Mississippi State University in 2009 and is currently a PhD student at the University of Mississippi.



Nashlie Sephus is a senior in the Computer Eng. program at Mississippi State University. She was a member of the 2003 Summer Bridge class, an active member in the Society of Women Engineers, and the National Society of Black Engineers. Nashlie has been accepted into the Masters/PhD program

at Georgia Institute of Technology in computer engineering and has received a GEM Fellowship.



LaShonda Shields graduated from Alcorn State University with a BS degree in Mathematics and Computer Science. LSMAMP assisted her in attaining a summer internship with IBM Corporation in New York, where she conducted language research with Dr. Urbiam Lui.



Tomekia Simeon, PhD, received her BS degree from Tougaloo College and a doctorate degree in Physical Chemistry from Jackson State University in 2008. She was a member of the first BD and interned at the Engineering Research Development Center, Lawrence Livermore

National Laboratory and at the Office of Naval Research in Washington, DC, with the 1985 Nobel Laureate in Chemistry, Dr. Jerome Karle. Currently, she is a Postdoctoral Research Fellow at Northwestern University.



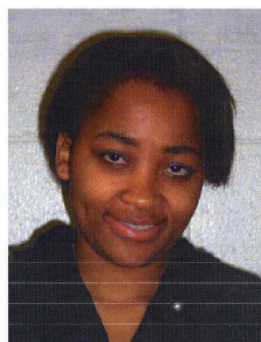
Shaneka Simmons was a Biology major at JSU and will receive her PhD in Environmental Science in April, 2012. As a member of Cohort 2 of the Bridge to the Doctorate, she completed her summer research at the University of California Santa Barbara with mentor Dr. Peggy

Cotter. Her thesis, with research advisor, Dr. Raphael Isokpehi, was entitled *Diversity of the Universal Stress Proteins of Arabidopsis and Rice Functional*.



Kiana Singleton is a senior at Alcorn State University, where she is working towards a BS in Radiation Technology. She has conducted summer research at the Grand Gulf Nuclear Plant with mentor Dr. Norris Edney, Jr., and presented that research at a Health Physics National Conference. Teresa plans

on continuing to graduate school in this field.



Lungile Sitole earned a BS in Chemistry at Jackson State University. She participated in Cohort 4 of the Bridge to the Doctorate program. Her summer internship transpired at IUPUI in Dr. Thomas Tolbert's lab. Lungile is currently working on her PhD in Biochemistry the University of Pretoria in South Africa.



Geraline Smith earned a BS degree in Chemistry from Alcorn State University. Geraline continued on at Alcorn State University, where she received an MS degree in Science Education. She is currently teaching high school in Mississippi.



James E. Smith, Jr., Alcorn State University, a biochemistry and pre-pharmacy major and is attending the University of Tennessee School of Pharmacy. He performed research for the USACE Engineering and Research Development Center. He said, "The LSMAMP program helped me tremendously because I gained

insight into the importance of networking. The program also helped strengthen my initiative to pursue education to its fullest."



Troy Stewart, Jr. is from Vicksburg, Mississippi. He earned a BS degree with a double major in Mathematics and Computer Science from Alcorn State University. He completed a summer internship with the Delphi Electronic Corporation and is currently working on a Master's degree at Alcorn State University.



DeMarcus Montrez Thomas earned a BS in Computer Science from Mississippi Valley State University in 2010. He plans to complete both a Masters degree in Cyber Security and a PhD in Computer Science.



Kalena Stovall, PhD, graduated from the University of Southern Mississippi (USM) in 2004 with a BS in Polymer Science. She attained her PhD in Chemical Engineering at the University of Illinois at Urbana-Champaign in 2009 and is currently a Research Associate

with Exponent Failure Analysis Associates, where she tests for product failure, works on product improvement and developing new products.



Patrina Thompson attended Alcorn State University and graduated with a BS in Chemistry. She came to Jackson State University as a member of Cohort 2 of the Bridge to the Doctorate. She conducted her summer research in Computational Chemistry at the University of California

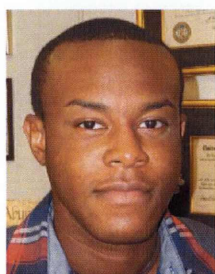
Santa Barbara with Dr. Mattanjah de Vrises. She is currently completing her dissertation at Jackson State in the lab of Dr. Glake Hill, Jr.



Javelyn Stubbs is a senior biology major at Jackson University. She conducts faculty mentored research with Dr. Barbara Graham. She plans on getting a graduate degree in public health.



Isi Tolliver was a member of the first Bridge to the Doctorate cohort at Jackson State University, where she graduated with a BS in Biology. She conducted her summer internship at Lawrence Berkeley National Laboratory with Dr. Priscilla Cooper. She is currently completing her PhD at Vanderbilt University in Molecular Biology

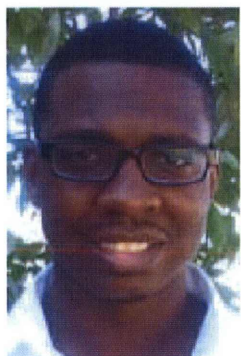


Stevon Taylor is a senior biology/pre-med major at Jackson State University. He conducts research with Dr. Hari Cohly and plans to go to Duke University for medical school.

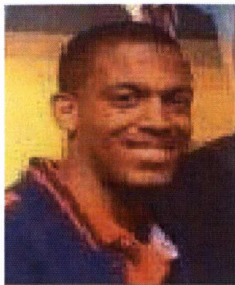


Cornelius Toole was in the first cohort of Bridge to the Doctorate. He earned his BS in Computer Science at Jackson State University and is about to complete his PhD at Louisiana State University. Cornelius worked with Dr. John Shalf at the Lawrence Berkeley National Laboratory and earned honorable mention in

both the National Science Foundation and Ford Foundation Graduate Fellowship competitions.



Terrance Thigpen is an outstanding senior at the University of Southern Mississippi, where he is a major in Computer Engineering Technology. He has completed a summer internship at Sanderson Farms in North Carolina and is planning on continuing as a graduate student at USM as a Computer Science major.



LaRico Treadmill earned a double major degree from the University of Mississippi in Chemistry and Mathematics: *Synthesis of High Free Volume Acid for Proton Conducting Electrolytes*. He is currently a PhD student at Louisiana State University in Chemistry and says that he is “still displaying the skills and knowledge

that I gained as a member of LSMAMP.”



Corey Wallace was an LS-MAMP member at the University of Mississippi where he got a BS in Mechanical Engineering in 1999. He went on to obtain a MS in Eng. Management at the Christian Brothers University in Memphis, TN, and is currently working for Southland Industries in Las Vegas, NV.



Chigozie Udemgba received a BA in Biochemistry from the University of Mississippi in 2005. She attended several LSMAMP Research Symposia to present her research and is currently working on her MD degree at the University of

Mississippi Medical School in Jackson, MS.



Wilbur Walters, PhD: earned a BS in Physics from Jackson State University. He was a member of LS-MAMP and went on to earn a MS in Materials Eng. from the University of Alabama at Birmingham in 1998 and a PhD from the University of Alabama in 2002. Dr. Walters has a joint appointment in Civil Engineering and

Physics and is currently an Assoc. Professor and Chair of the Department of Physics, Atmospheric and Geosciences.



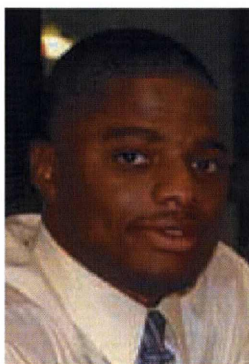
Antrice Walker graduated from Tougaloo College with a BS in Biology and is in Cohort 8 of the Bridge to the Doctorate program. This past summer she traveled to India and then returned to complete a research internship at the University of Mississippi Medical Center. Her research was to determine if

correlations exist between genotype, epidemiology, and phenotypic manifestations of *Trichomonas vaginalis* (*T vaginalis*).



Jacqueline Washington earned a BS in Biochemistry in 2009 as a LSMAMP member at the University of Mississippi. She joined the UMass summer research program and worked under Prof. Richard Vachet on *Using Amphiphilic Nanocontainers to Separate Compounds by Isoelectric Point*.

She plans on becoming a forensic chemist. She is pursuing a graduate degree in Biochemistry at the University at Albany in Albany, NY.



Ivan Walker was a member of LSMAMP at Jackson State University where he earned a BS degree in Computer Engineering. He joined Cohort 5 of the Bridge to the Doctorate program and, during his external summer research experience, he conducted research at the Wroclaw Technological University in Poland. Ivan is working on his PhD at the Georgia Institute of Technology and has received a GEM fellowship.



Keyana Mitchell Washington graduated with Honors from the University of Mississippi with a BS in Biology. Washington is currently working on a MD/MPH at Emory University in Atlanta, GA.



Sharita Washington was a member of LSMAMP at the University of Mississippi where she earned a BA in Biology in 2010. She is currently pursuing a MS in Biology at Mississippi College and plans to go on for a PhD.



Jonathan Watkins entered into Cohort 2 of the Bridge to the Doctorate after earning a BS in Biology at Jackson State University. He completed his summer research experience at the University of Hawaii with Dr. David M. Karl and was admitted into the PhD program in Environmental Science at Jackson State University.



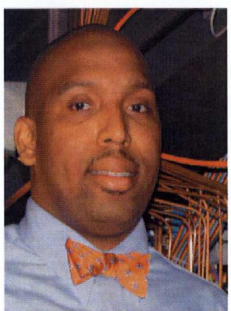
Alexandra Whitney was a double major in biology and education at Alcorn State University and plans to teach on the secondary level and then go on for a doctorate in Biology. She spent a summer at the Brookhaven National Laboratory conducting research on “*Methods of Endophyte Inoculation: Root Versus Spray Inoculation.*”



Marquita Watkins is a computational chemist who earned her BS degree from Tougaloo College and is in the second year of Cohort 8 of the Bridge to the Doctorate program. This summer, she went to conduct molecular modeling research at Gdansk University in Poland. She completed a research internship at the Oak Ridge National Laboratory.



Wardell Whittaker graduated from Alcorn State University with a BS in Chemistry. He participated in summer research experiences at Georgia Southern University and in India. He is currently pursuing a Master’s degree in Chemistry at the University of Mississippi.



Terrance West, PhD: A graduate of Mississippi State University, Dr. West works at the Aviation and Missile Research Dev. and Eng. Center (AMRDEC) in Huntsville, AL. His work encompasses the research, development design, integration and testing of radio frequency sensor stimulators.



Fabian Wiley, PharmD, attained a BS degree in Chemistry from Alcorn State University and conducted summer research at Yale University. Wiley was also selected for the summer Howard University AMGEN Research Scholar Program. Wiley went on to achieve a Pharm.D. from the University of Tennessee, Memphis.



Takia Wheat earned a BS degree in Chemistry at Jackson State University and entered the Bridge to the Doctorate last year. This past summer she traveled to Gdansk, Poland, and worked with Dr. Zbigniew Kaczyński on *The NMR determination for aglycone component of penogenin -o-glycoside.* Takia then went on to

an internship at the University of California Santa Barbara where she worked under Professor Ram Seshadri.

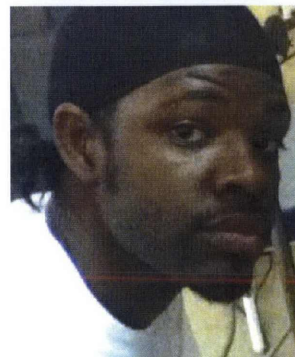


Baraka Williams earned a BS in Biology at Jackson State University and joined Cohort 6 of the Bridge to the Doctorate program. She completed a summer research internship at the University of California Santa Barbara and is currently working on her PhD in Environmental Science at Jackson State.

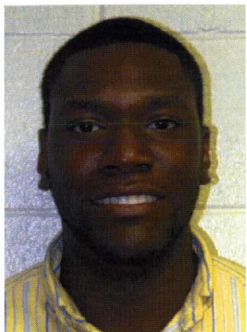


Derrick White spent two years playing football at Jackson State University, but then turned to science. He earned a BS in Biology and then was admitted to Cohort 3 of the Bridge to the Doctorate program, where he excelled. His summer research was conducted at the University of California Santa Barbara with Dr.

Joel Rothman and he is currently working on his PhD at the University of Nebraska, Lincoln.



Dale Williams is at Alcorn State University and will earn his BS degree in Agriculture this coming May. He spent a summer in India conducting research and plans on furthering his education in graduate school.



Diarria Williams was a member of LSMAMP at the University of Mississippi, where he graduated with a double major BS in Biology and psychology. His undergraduate research was supervised by Dr. Lainy Day and based on finding the role of the cholinergic system in learning and memory. Diarria has just joined the 9th Cohort of the Bridge to the Doctorate program at JSU.



Kristopher Williams earned a BS degree in Biology/Physical Therapy from Alcorn State University. While a member of LSMAMP, Williams completed summer internships at the U.S. Army Waterways Experiment Station in Vicksburg, MS, and with the Ergon Corporation. Kristopher is currently working on a Doctor of Physical Therapy degree at

Winston-Salem State University in North Carolina.



Roshetta Williams received her BS degree in Chemistry at historic Tougaloo College. Roshetta performed research as an undergraduate on *Diabetes Risk Perception in Women with a History of Gestational Diabetes Mellitus*. Ms. Williams has joined Cohort 9 of the Bridge to the Doctorate program at JSU.



Teresa Williams is a senior at Alcorn State University, where she is working towards a BS in Radiation Technology. She has conducted summer research at the Grand Gulf Nuclear Plant with mentor Dr. Norris Edney, Jr., and presented that research at a Health Physics National Conference. Teresa plans on continuing to graduate school in this field.



Dr. Zakiya S. Wilson is Executive Assistant of LSU's Office of Strategic Initiatives, or OSI, and was recently named a National Administrator Role Model. She received her bachelor's, cum laude, from Jackson State University in 1998 and her PhD in inorganic chemistry at LSU in 2004. Currently, Wilson is serving as principal or co-principal investigator on at least five funded projects.



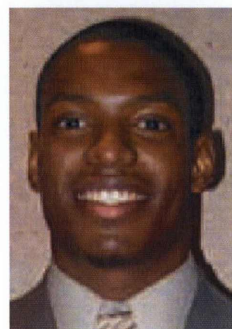
Homer Windfield was part of the Jackson State University's China initiative this year. Biology major, Homer joined others in spending several weeks at Shaanxi Normal University to study the Chinese language and culture.



Crystal Winger achieved a BS in Computer Engineering at Jackson State University and was in Cohort 3 of the Bridge to the Doctorate program. Her summer research internship was at the Lawrence Berkeley National Laboratory with Dr. Deb Agrawal. She went to work for Raytheon Corporation with plans to eventually pursue the PhD with support from Raytheon.



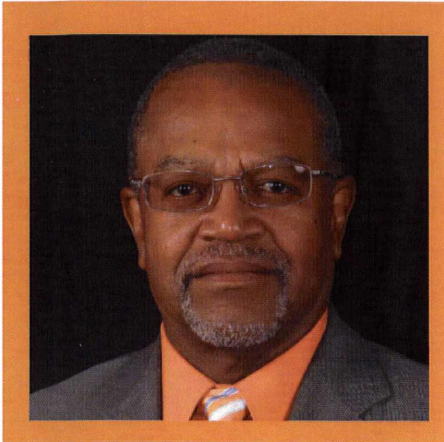
Shawnta Woods received her BS in Biochemistry at Alcorn State University which has one of the most active LSMAMP programs. She was an outstanding student and has just joined Cohort 9 of the Bridge to the Doctorate program at JSU.



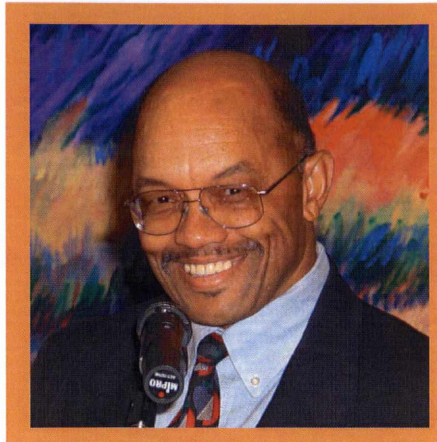
Jelani C. Zarif completed his BS degree and then a Master's degree in biology while a student at Jackson State University. He was a Bridge to the Doctorate Fellow and has gone on to Michigan State University for his PhD. He expects to receive his doctoral degree in 2012.

LSMAMP LEADERSHIP

Past PDs to Current PI



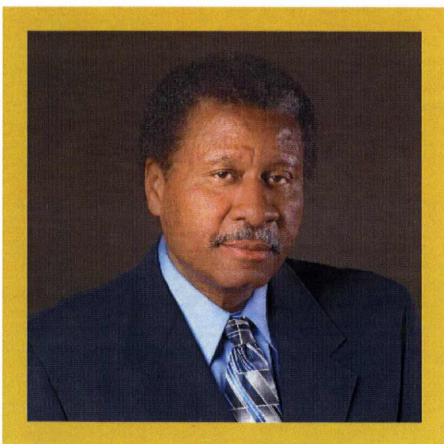
Dr. William McHenry
PD Planning Grant 1990



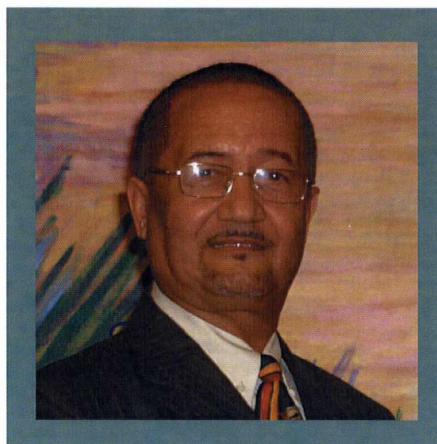
Dr. Richard Sullivan
PD 1991 - 1999



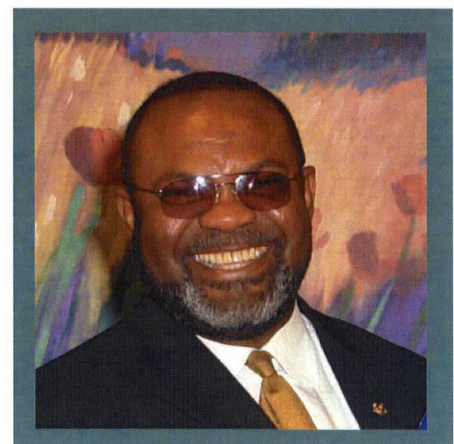
Dr. Mark G. Hardy
PD 1999 - 2002



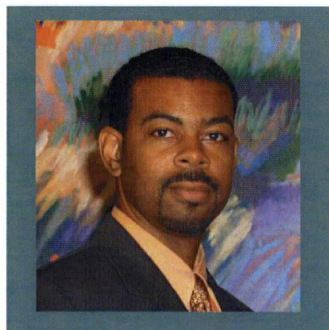
Dr. James Perkins
PD 2002 - 2007



Dr. Abdul K. Mohamed
PD 2007 - 2010



Dr. Felix A. Okojie
PI 2010 - Present



Dr. Ashton Hamme II
Co-PI 2010 - Present



Dr. Abdul K. Mohamed

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Louis Stokes Mississippi Alliance for Minority Participation

Celebrating 18 Years of Increasing Minority Degrees in Science, Technology, Engineering and Mathematics

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Pictured left to right: Andre Heath - University of Southern Mississippi; Jackie Vinson - staff for University of Mississippi; Lacey Fitts - former coordinator for Delta State University; Dr. Joseph Wahome - former coordinator for Mississippi Valley State University; Dr. Julius Ikenga - Mississippi Valley State University; Dr. Linden Haynes - Tougaloo College and Dr. Ashton Hamme II - Jackson State University

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Alcorn State University



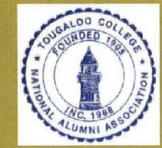
Dr. Don Cole
University of Mississippi

Both Dr. Stewart and Dr. Cole have served as Site Coordinators at their respective institutions since the inception of the program.

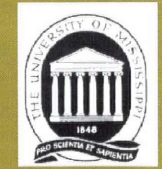
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