

The National Science Foundation

Louis Stokes Alliance for Minority Participation

Bridge to the Doctorate



Increasing the Impact on
the Nation's Workforce

2007-2008 Participating Alliances and Sites

Alabama (University of Alabama), California State University (California State University – Los Angeles), Colorado (Colorado State University), Illinois (University of Illinois at Chicago), Louisiana (Louisiana State University), Mississippi (Jackson State University), New Mexico (New Mexico State University), New York (The City University of New York), Philadelphia (Temple University), Puerto Rico (University of Puerto Rico at Rio Piedras), State University of New York (University of Buffalo), Washington/Baltimore/Hampton Roads (Howard University) and Western Alliance to Expand Student Opportunities (Arizona State University).

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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..." With an annual budget of about \$6.06 billion, NSF is the funding source for approximately 20 percent of all federally supported basic research conducted by America's colleges and universities.



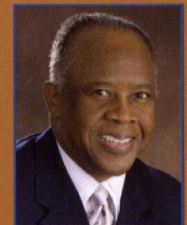
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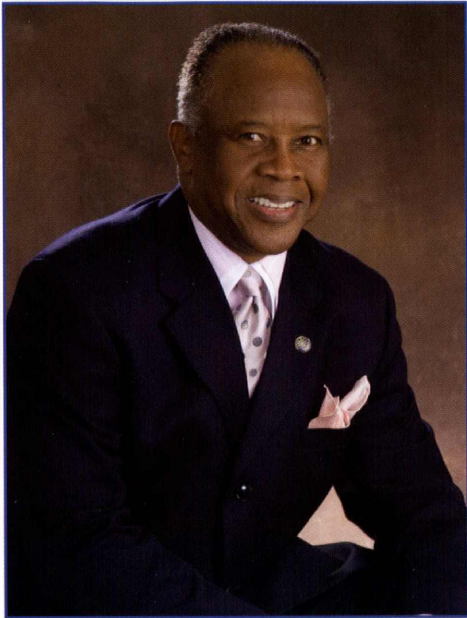


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Program Director
 Louis Stokes Alliances
 for Minority Participation
 (703) 292-8640
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MESSAGE FROM THE PROGRAM DIRECTOR

.....presenting research at national and international conferences

A. James Hicks, Ph.D. LSAMP Program Director



This fifth edition publication introduces and profiles the 2007-2008 enrollees in the LSAMP/BD Initiative. Latter pages in the document give some historical information, including a list of previous cohort participants. It is our hope that you will observe and enjoy the wide array of talented LSAMP graduate students who, in part, represent the future generation of science, technology, engineering and mathematics (STEM) scholars.

Since the 2003 starting date, the LSAMP Bridge to the Doctorate Initiative has supported in excess of 1,000 participants at the graduate level. The pilot Bridge to Teaching (BT) Initiative has attracted an additional 51 participants, in the first year. BT teacher training sites are currently located at City College in New York, The University of Alabama at Birmingham and Arizona State University. Overall, participant numbers are expected to continue rising well above the initial 1,000 in the BD and BT Initiatives by the close of the 2009 budget year.

BD Initiative participant, Angela Chacon, is one of many BD graduate students, nation-wide availing themselves of research opportunities in international settings. Angela from Cohort I participants at New Mexico State University traveled to Kyoto, Japan on October 15-23, 2004 to attend the 2nd International Conference on Bridge Maintenance, Safety and Management, organized by the International Association for Bridge Maintenance and Safety. Ms. Chacon addressed the conference on her research project on Bridge Evaluation.

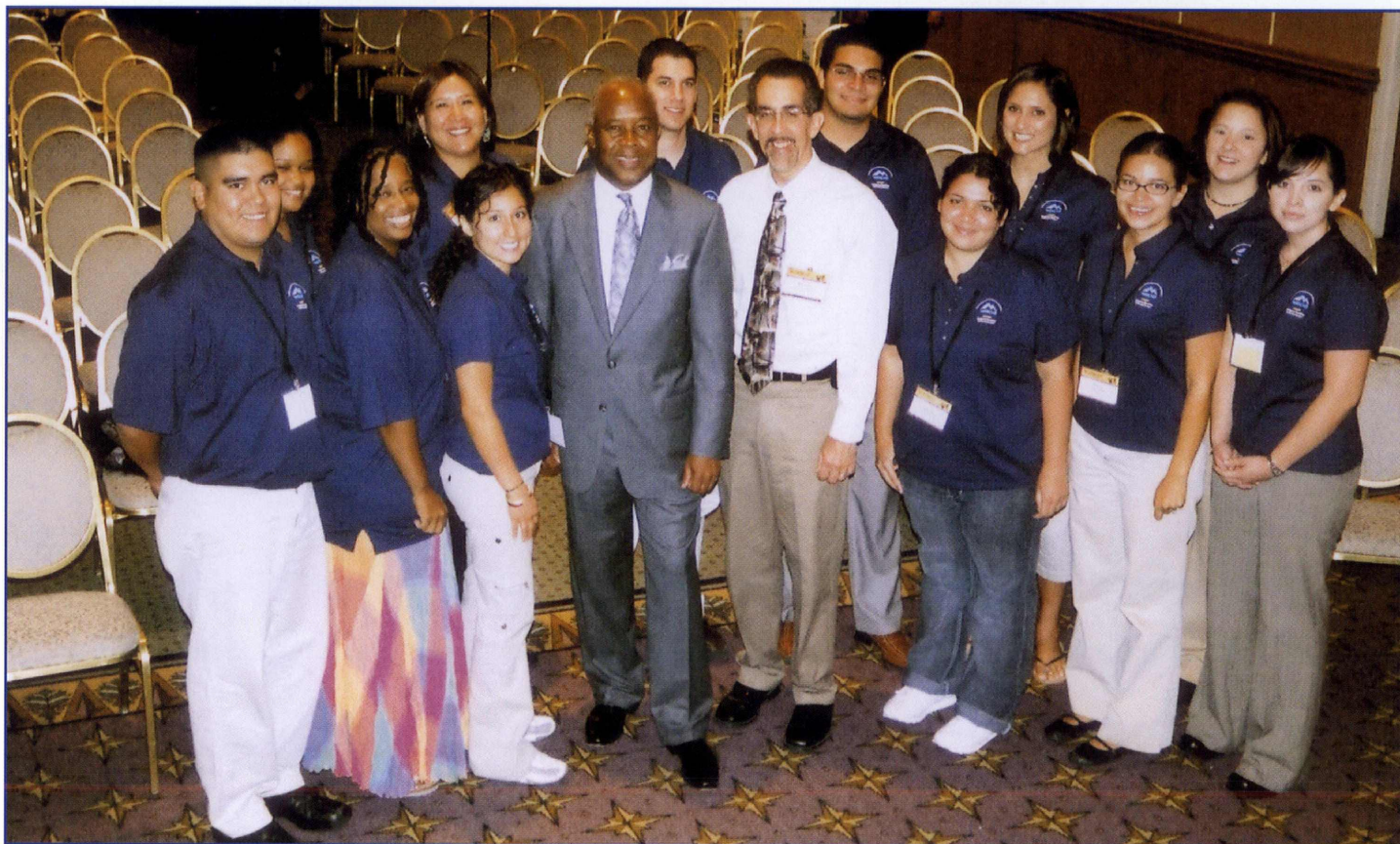
Gerardo Moreno-Crespo, also from the New Mexico State University BD Initiative, traveled to Dublin, Ireland on April 20-29, 2007 and presented his research poster, entitled, "Distributed Alamouti Transmit Diversity Techniques for Cooperative Communications" at the IEEE Vehicular Technology Conference.

BD Scholars from across the nation continue winning major national research awards and are presenting research work at national and international conferences. These scholars are destined to become research policy makers, scientists, technologists, engineers and mathematicians of the future. Surely, you will enjoy reading about them in these pages, and rest assuredly that talented help for America's workforce is just around the corner!

JOINT ANNUAL MEETING (JAM) 2007



Dr. Kathie Olsen and Dr. Cora Marrett with 2007 Bridge to the Doctorate Fellows



Dr. A. James Hicks and Dr. Tony Garcia with WAESO Bridge to Teaching Fellows

BRIDGE TO THE DOCTORATE SUMMARY

LSAMP	BD Site	Cohort	LS	Ph.S.	Egr.	Math	CIS	Total	Grand Total
Alabama	Auburn University	C1	2	4	2	2	0	10	60
	The University of Alabama in Huntsville	C2	4	3	3	1	3	14	
	The University of Alabama at Birmingham	C3	1	2	5	1	3	12	
	Tuskegee University	C4	3	4	5	0	0	12	
	The University of Alabama	C5	5	3	1	2	1	12	
California	University of California – Los Angeles	C1	2	6	1	0	0	9	45
	University of California – Irvine	C2	4	2	4	0	2	12	
	University of California – San Diego	C3	6	2	3	0	1	12	
	University of California - Davis	C4	4	5	3	0	0	12	
California State	San Francisco State University	C1, C4	13	5	2	4	3	27	64
	California State University – Los Angeles	C2, C3, C5	15	8	5	7	2	37	
Colorado	Colorado State University	C4, C5	4	9	10	2	1	26	26
Florida-Georgia	Florida State University	C1	3	2	3	1	1	10	46
	University of South Florida	C2, C3, C4	11	6	17	2	0	36	
Illinois	Southern Illinois University at Carbondale	C2, C3	12	7	6	0	1	26	50
	University of Illinois - Chicago	C4, C5	13	8	2	1	0	24	
Louisiana	Louisiana State University	C3, C4, C5	8	16	9	0	1	34	34
Mississippi	Jackson State University	A	21	19	8	2	4	54	54
New Mexico	New Mexico State University	A	12	11	30	4	0	57	57
New York City	The City University of New York	A	14	8	22	8	10	62	62
North Carolina	North Carolina A&T State University	C1	0	2	7	0	1	10	34
	University of North Carolina at Charlotte	C2	0	3	6	0	3	12	
	North Carolina Central University	C3	5	6	0	0	1	12	
Oklahoma	Oklahoma State University	C2	8	1	3	0	0	12	24
	The University of Oklahoma	C3	2	3	5	1	1	12	
Philadelphia	The University of Delaware	C1	2	2	6	0	0	10	59
	New Jersey Institute of Technology	C2	1	0	8	0	3	12	
	Drexel University	C3	4	0	8	0	0	12	
	Delaware State University	C4	7	4	0	1	1	13	
	Temple University	C5	4	5	0	1	2	12	
Puerto Rico	University of Puerto Rico at Rio Piedras	C1, C3, C4, C5	16	23	4	3	0	46	58
	University of Puerto Rico – Mayaguez	C2	3	6	3	0	0	12	
State University of New York	Stony Brook University	C4	6	1	5	0	0	12	24
	The University of Buffalo	C5	0	6	5	0	1	12	
Texas	Texas A&M University	C1, C2, C4	6	1	24	2	1	34	46
	Prairie View A&M University	C3	0	0	9	2	1	12	
University of Texas System	University of Texas at El Paso	C1, C3	4	4	10	0	4	22	34
	University of Texas - Pan American	C2	3	0	3	5	1	12	
University System of Maryland	University of Maryland, Baltimore County	C3	0	1	7	0	3	11	23
	University of Maryland, College Park	C4	2	4	4	2	0	12	
Washington/Baltimore/Hampton Roads	Howard University	C2, C3, C4, C5	25	11	3	8	2	49	49
WAESO	Arizona State University	A	9	4	8	31	0	52	52
Total			264	217	269	93	58	901	901

KEY

C1 = Cohort I ('03-'05)
C2 = Cohort II ('04-'06)

C3 = Cohort III ('05-'07)
C4 = Cohort IV ('06-'08)

C5 = Cohort V ('07-'09)
A = All Cohorts

PROGRAM SITES AND COORDINATORS

LSAMP	BD Site	BD Coordinator	Cohort
Alabama	Auburn University	Dr. Overtoun M. Jenda, (334) 844-4663, jendaov@auburn.edu	C1
	The University of Alabama in Huntsville	Dr. Adriel D. Johnson, (256) 824-6235, johnsona@email.uah.edu	C2
	The University of Alabama at Birmingham	Dr. Louis Dale, (205) 934-8762, ldale@uab.edu Dr. M. Carolyn Braswell, (205)934-8762, cbraswel@uab.edu	C3
	Tuskegee University	Dr. Shaik Jeelani, (334) 727-8970, jeelanis@tuskegee.edu	C4
	The University of Alabama	Dr. Viola Acoff, (205) 348-3761, vacoff@engr.ua.edu	C5
California	The University of California, Los Angeles	Dr. Richard L. Weiss, (310) 825-3621, weiss@chem.ucla.edu	C1
	The University of California-Irvine	Dr. Derek Dunn-Rankin, (949) 824-8745, ddunnran@uci.edu Professor Yong Chen, (949) 824-6920, y3chen@uci.edu	C2
	The University of California-San Diego	Dr. David Artis, (858) 822-4161, dartis@ucsd.edu Mr. Tim Johnston, (858) 534-3874, tjohnston@ucsd.edu Dr. Jacqueline Azize-Brewer, (858) 534-8839, jazize@ucsd.edu	C3
	The University of California-Davis	Renee J-Maldonado, (530) 754-5866, rjaldonado@ucdavis.edu	C4
California State	San Francisco State University	Dr. Frank Bayliss, (415) 338-1071, fbayl@sfsu.edu Dr. David Ellis, (415) 338-1026, dellis@math.sfsu.edu	C1
	California State University Los Angeles	Dr. Margaret Jefferson, (323) 343-2059, mjeffer@calstatela.edu Dr. Carlos Gutierrez, (323) 343-2356, cgutier@calstatela.edu Dr. Carlos Robles, (323) 343-2067, crobles@calstatela.edu Dr. Juanita C. Barrena, (916) 278-6519, jbarrena@csus.edu	C2, C3, C5
	San Francisco State University	Dr. Sheldon Axler, (415) 338-157, axler@sfsu.edu Dr. David Ellis, (415) 338-1026, dellis@math.sfsu.edu Juanita Barrena, (916) 278-6519 jbarrena@csus.edu	C4
Colorado	Colorado State University	Dr. Elaine Green, (970) 491-2898, elaine.green@colostate.edu Dr. Omnia El-Hakim, (970) 491-2656, omnia.elhakim@colostate.edu	C4, C5
Florida-Georgia	Florida State University	Dr. Nancy Marcus, (850) 644-3500, nmarcus@fsu.edu	C1
	The University of South Florida's Colleges of Engineering and Marine Science	Dr. Ashanti J. Pyrtle, (727) 553-1301, apyrtle@marine.usf.edu Dr. Shekhar Bhansali, (813) 974-3593, Bhansali@eng.usf.edu	C2, C3, C4
Illinois	Southern Illinois University at Carbondale	Dr. Karen Renzaglia, (618) 453-4586, mcnair@siu.edu Ms. Patricia McNeil, (618) 453-4330, pmcneil@siu.edu	C2, C3
	University of Illinois-Chicago	Dr. William E. Walden, (312) 996-8576, wwalden@UIC.edu	C4, C5
Louisiana	Louisiana State University	Mr. Myron Peters, (225) 578-0480, mpete13@lsu.edu ; Dr. Su-Seng Pang, (225) 578-5892, mepang@me.lsu.edu Dr. Diola Bagayoko, (225) 771-2730, bagayoko@aol.com Dr. Steven F. Watkins, (225) 578-3359, swatkins@lsu.edu Dr. Isiah M. Warner, (225) 578-2829, iwarner@lsu.edu	C3, C4, C5
Mississippi	Jackson State University	Dr. Abdul Mohamed, (601) 979-2153, abdul.k.mohamed@ccaix.jsums.edu	A
New Mexico	New Mexico State University	Dr. Ricardo B. Jacquez, (575) 646-6944 or 646-1847, rjaquez@nmsu.edu	A
New York City	The City University of New York	Dr. Claude Brathwaite, (212) 650-8850, cbrathwaite@ccny.cuny.edu Ms. Chantel Damas; (212) 817-7545, cdamas@gc.cuny.edu Mr. Anthony Lemelle, (212) 817-7540; alemelle@gc.cuny.edu	A

PROGRAM SITES AND COORDINATORS

LSAMP	BD Site	BD Coordinator	Cohort
North Carolina	North Carolina A&T State University	Ms. Marcia F. Williams, (336) 334-7589 ext. 140, marcia@ncat.edu	C1
	The University of North Carolina at Charlotte	Dr. Bill Hill, (704) 687-3385, bjhill@email.uncc.edu	C2
	North Carolina Central University	Dr. Sandra Delauder, (919) 530-6456, sdelauder@nccu.edu Dr. Mattie Moss, (919) 530-5129, mmoss@nccu.edu	C3
Oklahoma	Oklahoma State University	Dr. Cornell Thomas, (405) 744-5372, cthomas@okstate.edu	C2
	The University of Oklahoma	Dr. Teri Rhoads, (405) 325-1069 or 4161, teri.rhoads@ou.edu	C3
Philadelphia	The University of Delaware	Mr. Michael L. Vaughan, (302) 831-6315, vaughan@udel.edu	C1
	New Jersey Institute of Technology	Dr. Joel Bloom, (973) 596-3220, joel.s.bloom@njit.edu Mr. Laurence A. Howell, (973) 596-3686, laurence.a.howell@njit.edu	C2
	Drexel University	Dr. Teck-Kah Lim, (215) 895-2717, teck-kah.lim@drexel.edu Ms. Sheila Graves, (215) 895-1659, sheila.clark@drexel.edu	C3
	Delaware State University	Dr. Beverly Hartline, (302) 857-6500 bhartline@desu.edu Dr. Mazen Shahin, (302) 857-7055 mshahin@desu.edu Dr. Leonard Davis, (302) 857- 7370 ledavis@desu.edu	C4
	Temple University	Dr. Jacqueline Tanaka, (215) 204-8868 jtanaka@temple.edu	C5
Puerto Rico	The University of Puerto Rico at Rio Piedras	Professor Javier Figueroa, (787) 765-5170, ext 2012 j_figueroa@prlsamp.org	C1, C3, C4, C5
	The University of Puerto Rico-Mayaguez	Dr. Juan Gonzalez-Lagoa, (787) 831-1025, dri.gonzales@gmail.com	C2
State University of New York	SUNY-Stony Brook	Dr. David L. Ferguson, (631) 632-8763, dferguson@notes.cc.sunysb.edu	C4
	The University of Buffalo	Dr. Letitia Thomas, (716) 645-3071, lthomas@buffalo.edu	C5
Texas	Texas A&M University	Dr. Karan L. Watson, (979) 845-4274, watson@tamu.edu	C1, C2, C4
	Prairie View A&M University	Dr. Kendall T. Harris, (936) 857-4200, ktharris@pvamu.edu Dr. Danny R. Kelley, (936) 857-4710, danny_kelley@pvamu.edu	C3
University of Texas System	The University of Texas, El Paso	Dr. Benjamin Flores, (915) 747-6961, flores@ece.utep.edu	C1, C3
	The University of Texas-Pan American	Dr. Miguel Paredes, (956) 381-3452 ext. 2290, mparedes@panam.edu	C2
University System of Maryland	The University of Maryland - Baltimore County	Ms. Cynthia Hill, (410) 455-2274, chill@umbc.edu Dr. Freeman Hrabowski, III, (410) 455-2274, hrabowski@umbc.edu Dr. Renetta G. Tull, (410) 455-2930, rtull@umbc.edu	C3
	The University of Maryland - College Park	Ms. Joelle Davis-Carter, (301) 405-2677, jdcarter@umd.edu	C4
Washington/ Baltimore/Hampton Roads	Howard University	Dr. Clarence Lee, (202) 238-2511, cmlee@howard.edu	C2, C3, C4, C5
Western Alliance to Expand Student Opportunities	Arizona State University	Dr. Antonio Garcia, (480) 965-0840/8798, tony.garcia@asu.edu	A

KEY CODES:

C1 = Cohort 4 ('03 - '05)
 C2 = Cohort 4 ('04 - '06)
 C3 = Cohort 4 ('05 - '07)
 C4 = Cohort 4 ('06 - '08)
 C5 = Cohort 5 ('07 - '09)
 A= All Cohorts

Alabama Louis Stokes Alliance for Minority Participation

Bridge to the Doctorate V



Edward C. Dillon, Jr.

B.A., Computer Science, University of Mississippi, 2007; Graduate Major: Computer Science - "After obtaining my Ph.D., I plan to either go into industry or continue to do research and become a professor in my field of study."



Alanzo Deon Granville

B.S., Mathematics, Alabama State University, 2006; Graduate Major: Mathematics "It is my goal to work where I would be able to develop the latest technology in Mathematics, Engineering, or Computer Science, and also to be provided the opportunity for adequate growth potential."



Nicole Desiree Gray

B.S., Chemistry, Alabama State University, 2007; Graduate Major: Analytical Chemistry - "After I complete my graduate degree, I plan to work in industry to help develop new improved materials for everyday use."



Marleshia Hall

B.S., Biology, Stillman College, 2006; Graduate Major: Molecular and Cellular Biology - "After completing the master's degree, I plan to obtain a M.D./Ph.D. Since it is my desire to practice medicine as well as research, I plan to pursue a career as a medical scientist."



Haylee M. Hinz

B.S., Biology, The University of Alabama, 2007; Graduate Major: Biology - "I want to obtain a Ph.D. to fulfill my goal of teaching and research in academia."



Melody Kelley

B.A., Chemistry, Wayne State University, 2007; Graduate Major: Chemistry - "Ultimately, I intend to hold a tenured faculty position at an academic institution."

Dr. Louis Dale
Principal Investigator
Alabama LSAMP
The University of Alabama at Birmingham



2007-2008
Bridge to the Doctorate Site
The University of Alabama



Dr. Viola Acoff
Site Coordinator
The University of Alabama



The University of Alabama (UA) is a major, comprehensive, student-centered research university founded in 1831 as Alabama's first public college. Dedicated to excellence in teaching, research and service, we provide a creative, nurturing campus environment where our students can become the best individuals possible, learn from the best and brightest faculty, and make a positive difference in the community, the state and the world. Not only is UA the oldest public university in the State of Alabama but also, in 1837, UA became the first in the state to offer engineering classes. It was one of the first five in the nation to do so and one of the few to have maintained accreditation continuously since national accreditation began in 1936.

The University of Alabama is one of the top 50 public universities in the country and enrolls more USA Today Academic All-Americans than any college in the nation. National Merit Scholars also appreciate UA's rising tide of academic excellence. In fact, we are in the top 10 percent in the nation for National Merit Scholars with an 11th ranking among all public colleges. UA is also a leader in the enrollment of National Achievement Scholars, a recognition awarded to top African-American students, ranking 3rd among public universities and 13th among all universities. The University of Alabama is the largest university in Alabama with an enrollment of 25,580, which includes 3,869 graduate students.

B.S., Biology, Summa Cum Laude, Langston University, 2007; Graduate Major: Cell Biology and Neuroscience - "After receiving my Ph.D., I would like to perform research and/or teach."



Contessa S. Majors

B.S., Biology, The University of Alabama at Birmingham, 2007; Graduate Major: Biological Science - "My goal is to become an M.D./Ph.D. specializing in the area of infertility."



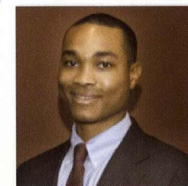
Ekaette Mbong

B.S., Chemistry, Alabama State University, 2007; Graduate Major: Chemistry - "After obtaining my Ph.D. in chemistry, I would like to work in industry as a researcher."



DeAna McAdory

B.S., Mathematics, Alcorn State University, 2007; Graduate Major: Mathematics - "My purpose of graduate studies in mathematics is to become more knowledgeable in the subject so I can translate the language to society. My goal is to obtain a Ph.D. in mathematics so that I can be a professor at a university where I can express my love for the language to students who will be faced with a life full of mathematics."



Brandon Ross Morgan

B.S., Biology and Philosophy, The University of Alabama, 2007; Graduate Major: Evolutionary Biology; Molecular Phylogenetics and Systematics - "I hope to become a university professor and academic researcher in the field of fungal evolutionary biology, with a concentration on symbiont coevolution in the basal zoospore fungi."



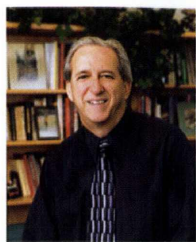
Kathryn Therese Picard

B.S., Metallurgical and Materials Engineering, The University of Alabama, 2007; Graduate Major: Metallurgical and Materials Engineering - "I plan to contribute to a design team effort to fabricate a new device, product or component; or make and add to the efficiency of products."



Rachel Roberts

CALIFORNIA STATE UNIVERSITY LSAMP PROGRAM



Joseph Sheley, Ph.D.
Provost and Vice President
for Academic Affairs
California State
University, Sacramento

NSF funding of Bridges to the Doctorate (BD), Cohort V has enabled CSU-LSAMP to host a fifth cohort of students at California State University, Los Angeles. In 2007-2008, California State University, Los Angeles serves as the graduate institutional site for BD-Cohort V activities. The existence of the Bridge to the Doctorate programs has provided students access to graduate study in a broader array of STEM disciplines. Twelve talented students have been selected as scholars in the Louis Stokes Alliance for Minority Participation Bridges to the Doctorate Cohort V.



CSU-LSAMP Bridge to the Doctorate V California State University, Los Angeles Academic Year 2007-2008



Benjamin Bush
BS, Mathematics
California State University, Long Beach
Current: Mathematics
Career Goal: Ph.D. -- Faculty



Carla Cueva
BS, Biological Sciences
University of California, Irvine
Current: Microbiology
Career Goal: Ph.D. -- Research



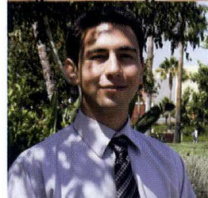
Monica Delgado
BS, Microbiology
California State University, Los Angeles
Current: Microbiology
Career Goal: Ph.D. -- Faculty



Erika Garcia
BS, Biochemistry
California State University, Los Angeles
Current: Chemistry
Career Goal: Ph.D. -- Research



Angelina Hernandez
BS, Biological Sciences
University of California, Irvine
Current: Biology
Career Goal: Ph.D. -- Faculty



Alberto Izarraraz Melero
BS, Applied Mathematics
University of California, Irvine
Current: Biological Mathematics
Career Goal: Ph.D. -- Research



Xiomara Madero
BA, Psychology
California State University, Los Angeles
Current: Molecular Biology
Career Goal: Ph.D. Faculty



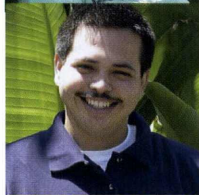
Alex Maldonado
BS, Electrical Engineering
California State University, Los Angeles
Current: Electrical Engineering
Career Goal: Ph.D. -- Faculty



Omar Moreno
BS, Physics
University of California, Irvine
Current: Physics
Career Goal: Ph.D. -- Faculty



Maura Palacios
BS, Zoology
California State University, Long Beach
Current: Marine Biology
Career Goal: Ph.D. -- Faculty



Sergio Rivas
BS, Mathematics
California State University, Los Angeles
Current: Applied Mathematics
Career Goal: Ph.D. -- Faculty



Nadine Rodriguez
BS, Microbiology
California State University, Los Angeles
Current: Microbiology
Career Goal: Ph.D. -- Faculty



California State University, Los Angeles

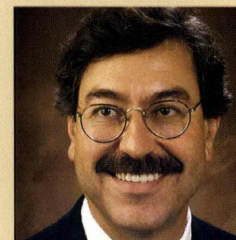
Located five miles east of downtown Los Angeles, the green hilltop campus has a suburban feel, yet serves one of the most diverse urban populations in the world. Cal State L.A. (<http://www.calstatela.edu>) is an especially good site for advanced training in the sciences. The University has made conscious and consistent efforts to hire talented science faculty, to recruit underrepresented students, to support team research that involves undergraduates as well as graduate students, to improve its facilities and to reconfigure its curriculum. More than two dozen four-year colleges and universities are within a 30 mile radius of campus, and numerous federal, state and private research laboratories operate in the region.

BD-V Coordinators at Cal State L.A.



Margaret Jefferson

BD-V Lead Project Director
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Carlos Gutierrez

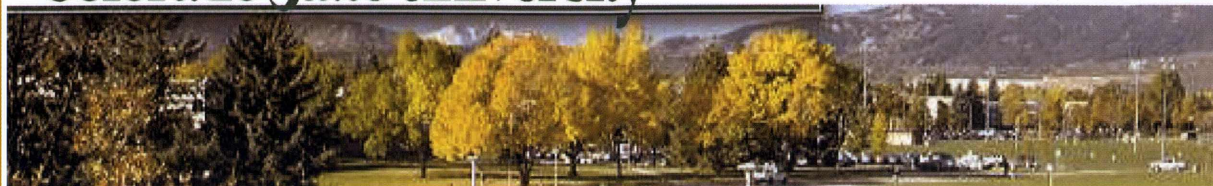
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Carlos Robles

BD-V Associate Project Director
Professor of Biology
Director, CEA-CREST Program
Ph.D., 1979, Zoology
University of California, Berkeley
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Colorado State University



Colorado State University is a land-grant institution and a Carnegie Doctoral/Research University-Extensive. It offers doctorate degrees in 8 colleges. Located in a community of 129,000, CSU's enrollment is about 25,000 resident instruction students from every state and more than 85 foreign countries.

Bridgetothedoc.Colostate.edu



Omnia El-Hakim, PhD, PI and Director
CO-AMP & Bridge to the Doctorate Program
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(970) 491-2898
elaine.green@colostate.edu

The BD program is very important to our Colorado Alliance as it provides the opportunity for highly qualified underrepresented students to excel in graduate school and obtain their doctoral degree in all the STEM disciplines. This program has built an infrastructure in all the STEM colleges to support and maintain the students' success to achieve their goals and enter the professoriate. NSF funding of Cohort II enabled the AMP students to focus on their studies and to become role models for other diverse students within the Alliance. In addition, this program encourages other students in the Alliance to discover their research potential and to consider pursuing graduate studies.



Jacob Barker
BS Mechanical Engineering 2007
Colorado State University-Fort Collins
Career Goal: Professor, Mechanical Engineering



Lorene Martinez
BS Biology 2004
Colorado State University-Fort Collins
Career Goal: Professor, Microbiology



Natalia Cordova Sanchez
BS Mathematics 2007
University of Puerto Rico-Rio Piedras
Career Goal: Professor, Mathematics



Matthew Martinez
BS Electrical Engineering 2007
New Mexico State University
Career Goal: Professor, Electrical Engineering



Derek Dalton
BS Chemistry 2007
University of Colorado-Denver
Career Goal: Professor, Chemistry



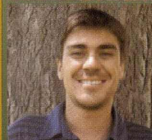
Santano Mestas
BS Biochemistry 1999
Colorado State University-Fort Collins
Career Goal: Professor, Biomedical Engineering



Miguel Galvez
BS Electrical Engineering 2006
Colorado State University-Fort Collins
Career Goal: Professor, Electrical Engineering



Frank Sanchez
BS Biochemistry 2007
New Mexico State University-University Park
Career Goal: Professor, Cell and Molecular Biology



Carlos Herrera
BS Biology 2007
University of Puerto Rico
Career Goal: Professor, Biochemistry



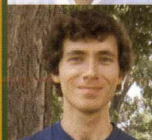
Michelle Sanchez
BS Chemistry 2007
Regis University
Career Goal: Professor, Chemistry



John Howard
BS Chemistry 2007
University of Colorado-Denver
Career Goal: Professor, Mechanical Engineering



Ruffin Swain
BS Mathematics 2007
California State University-Dominguez Hills
Career Goal: Professor, Mathematics



William Johnston
BS Physics 2007
Texas A & M University-Commerce
Career Goal: Professor, Physics



Philip Wheeler
BS Chemistry 2004
University of California-Santa Cruz
Career Goal: Professor, Chemistry



ILLINOIS LOUIS STOKES Alliance For Minority Participation



Bridge to the Doctorate IV Program Participants



Sonja Artis
BS, Biology, 2007
Oakwood College
Career Goal: PhD in Neuroscience



Tyvette Hilliard
BS, Chemistry/Biology, 2007
Chicago State University
Career Goal: PhD in Medicinal Chemistry



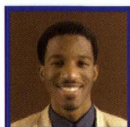
Kristin Ivy
BS, Biology, 2007
Grambling State University
Career Goal: PhD in Environmental & Occupational Health Science



Natalie King
BS, Biology, 2007
Oakwood College
Career Goal: PhD in Neuroscience



Kristine Lynn
BS, Chemical Engineering, 2004
University of Illinois at Chicago
Career Goal: PhD in Environmental & Occupational Health Science



Ikenna Madueke
BS, Biology, 2007
Chicago State University
Career Goal: MD/PhD in Cancer Biology



Leah Page
BS, Chemistry, 2007
Southern University
Career Goal: PhD in Chemistry



Mandek Richardson
BS, Bioengineering, 2007
University of South Florida
Career Goal: PhD in Bioengineering



O'Neil Shand
BS, Microbiology, 2007
University of Florida
Career Goal: PhD in Microbiology & Immunology



Tanganyika Wilder
BS, Pre-Medicine, 2004
Florida A&M University
Career Goal: PhD in Physiology & Biophysics

2007 – 2009 BDP Site – University of Illinois at Chicago



Chicago State University (CSU), a comprehensive state-supported urban academic institution located on the lively south side of Chicago, is the lead campus for the Illinois Branch of the National Louis Stokes Alliance for Minority Participation (LSAMP) program. Illinois LSAMP consists of nine (9) universities, nine (9) regional community colleges and one national laboratory. Together these groups participate in a collaborative effort to provide programs that improve the quality of education for underserved students and to prepare them for graduate school and STEM careers.

The establishment of the NSF Bridge to the Doctorate Program (BDP) provides incentive and access to graduate study for LSAMP graduates. The Illinois LSAMP program has been the recipient of four BD cohorts. Two of these programs were located at Southern Illinois University at Carbondale and two are currently located at the University of Illinois at Chicago (UIC).

UIC is located in the heart of Chicago and reflects the vitality of this world-class city. UIC is a public state supported research university. The largest university in the Chicago area, UIC trains 25,000 students in its 15 colleges. UIC has forged alliances within the colleges and the various departments to provide comprehensive mentoring for the Illinois LSAMP BD students.

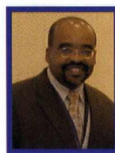
Illinois LSAMP BDP Management Team



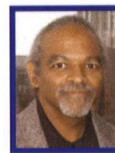
Dr. Elnora D. Daniel
CSU President & PI
Illinois LSAMP



Dr. Marian Wilson Comer
Executive Director & Co-PI
Illinois LSAMP



Dr. LeRoy Jones II
Project Director
Illinois LSAMP



Dr. William Walden
BDP PI
UIC LSAMP BDP



Ms. Denise Yates
BDP Site Coordinator
UIC LSAMP BDP

For additional information contact: William Walden, Ph.D., Special Assistant to the Provost for Diversity and Professor of Microbiology & Immunology • 2712 UH, 601 S. Morgan St., MC 105, Chicago, IL 60607 • 312-355-1850 • UICBD@uic.edu
Research Area: Iron Regulatory Proteins of Animal Cells

Louisiana State University

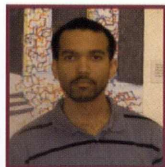
LS-LAMP/BDP Bridge to the Doctorate Program

LS-LAMP/BDP Management Team



Alvin Allen
BS, Computer Science
Southern University
(1983)

Career Goals:
PhD, Computer Engineering



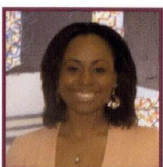
Marcus Benjamin
BS, Chemistry
Jackson State University
(2005)

Career Goals:
PhD, Chemistry



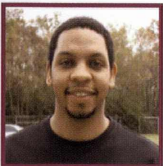
Jodi Boutte
BS, Kinesiology
Louisiana State University
(2005)

Career Goals:
PhD, Engineering Science



Marsha Cole
BS, Chemistry
Grambling State University
(2007)

Career Goals:
PhD, Chemistry



Fareed Dawan
BS, Computer and Electrical
Engineering
Louisiana State University
(2002)

Career Goals:
PhD, Mechanical
Engineering



Curtistine Deere
BS, Chemistry
Mississippi Valley State
University (2005)

Career Goals:
PhD, Chemistry



Su-Seng Pang, PhD
PI, LS-LAMP/BDP



Steve Watkins, PhD
Co-PI, LS-LAMP/BDP



Isiah Warner, PhD
Co-PI, LS-LAMP/BDP



Myron Peters
LS-LAMP/BDP Coordinator



Diola Bagayoko, PhD
PI, LS-LAMP/BDP

Through the Louisiana Alliance for Minority Participation (LAMP), the Louisiana State University Office of Strategic Initiatives (LSU/OSI) is pleased to announce a Fellowship opportunity available through the "Louis Stokes Alliance for Minority Participation -- Bridge to the Doctorate Program" (LS-AMP/BDP), an initiative of the National Science Foundation. Dr. Diola Bagayoko at Southern University and A&M College and Dr. Su-Seng Pang at Louisiana State University are the Principal Investigators (PIs) of the LSU/BDP, while Drs. Steven F. Watkins and Isiah M. Warner also of Louisiana State University are Co-PIs. This project is a direct and logical extension of LS-LAMP whose primary goal is to increase the participation of under-represented minorities in STEM disciplines and to ease the transition of these graduates into graduate school.

LSU/BDP offers: twelve fellowships at \$30,000/yr and one fellowship supplement at \$5,000/yr for two years; payment of tuition and fees; individualized faculty mentoring and coaching; participation in professional conferences and meetings; links to research and professional opportunities; and enriched academic services and support. The program is also an implementation and institutionalization of the 10-Strand Systemic Mentoring model developed by Dr. Bagayoko at all LS-LAMP institutions. The resulting reform-imbued enhancement of the teaching, mentoring, and research infrastructure of LS-AMP/BDP institutions and their ultimate institutionalization are expected to have an impact far beyond minority education, STEM disciplines, and Louisiana.

With the inception of the LSU/BDP program in Fall 2005, the following Fellows are a continuation of the BDP Program. Their awards are for the 2007 - 2008 academic years; all of whom display great potential, sound judgment, good character and intellect. The LSU/BDP program coordinator can be reached at mepang@me.lsu.edu or via telephone by dialing (225) 578.5892.



Krystal Fontenot
BS, Chemistry
Southern University and
A&M College (2006)

Career Goals:
PhD, Chemistry



Amy Pollard
BS, Chemistry
University of
Tennessee (2005)

Career Goals:
PhD, Chemistry



Kandace Thomas
BS, Biological Science
Southern University and
A&M College (2005)

Career Goals:
PhD, Biological Science



Wakeel Idewu
BS, Civil Engineering
University of Louisiana -
Lafayette (2004)

Career Goals:
PhD, Civil Engineering



Amber Mathews
BS, Biological Sciences
Louisiana State
University (2006)

Career Goals:
PhD, Biological Science

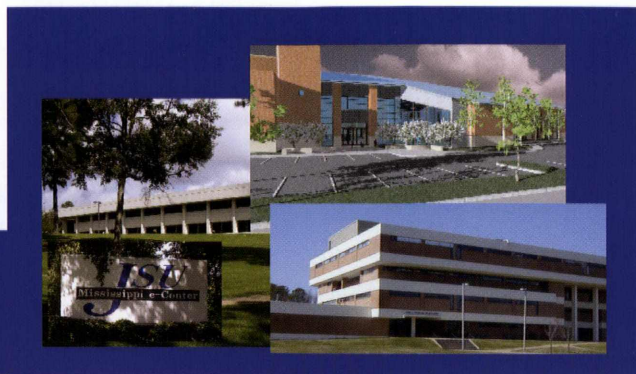


Ashleigh Wright
BS, Chemistry
Wofford College (2004)

Career Goals:
PhD, Chemistry

BDP Contact Information

Su-Seng Pang, Ph.D., P.E., Fellow; ASME, SPE, AAAS
Associate Vice Chancellor for Strategic Initiatives
Jack Holmes Distinguished Professor
Mechanical Engineering Department
Louisiana State University
Baton Rouge, LA 70803-6413
Tel: (225) 578-5892
Fax: (225) 578-5924
Email: mepang@me.lsu.edu



Mississippi - Cohort 5 LSAMP Bridge to the Doctorate Program at Jackson State University

JSU is the State of Mississippi's only urban, comprehensive institution and is designated as "doctoral/research intensive" by the Carnegie Foundation. It offers doctorate degrees in ten disciplines. JSU ranks No. 1 in the acquisition of federally funded research dollars and No. 2 in awarding doctoral degrees among research-intensive historically black colleges and universities. Jackson State ranks No. 7 among all institutions in awarding doctorates to African Americans.



Cortessia Badie
BS - Biology, Univ. of Mississippi - '07
Career Goal: Ph.D. in Biology



Danielle McShan
BS - Chemistry
Talladega College-'06
Career Goal: Ph.D. in Chemistry

Teresa Demeritte
BS - Chemistry/Biology, Jackson State Univ.-'07: Career Goal: Ph.D. in Biochemistry



Wanda Payne
BS - Mathematics, MS Valley State Univ-'07
Career Goal: Ph.D. in Mathematics



Eric Evans
BS - Biology, Jackson State Univ-'07
Career Goal: Ph.D. in Marine Science



Jetaime Ross
BS - Biology, Jackson State Univ-'07
Career Goal: Ph.D. in Biology

Stephanie Hughes
BS - Biology
Jackson State Univ-'07
Career Goal: Ph.D. in Chemistry



Ivan Walker
BS - Computer Eng.
Jackson State Univ.-'07
Career Goal: Ph.D. in Computer Engineering



The LSMAMP program has demonstrated that the Bridge to the Doctorate Program has the potential to impact significantly on the number of underrepresented minority students receiving doctoral degrees in STEM areas. Within five years, the National Science Foundation's Bridge to the Doctorate program could yield a fourfold (400%) increase in the number of under-represented minorities holding Ph.D. degrees. The Louis Stokes Mississippi Alliance for Minority Participation is honored to be a part of this national program to increase the diversity profile of doctoral recipients in STEM programs.

Dr. Abdul K. Mohamed, Project Director
Dean Emeritus, College of Science, Engineering & Technology,
P.O. Box 18119, Jackson, MS 39217 - 601-979-1627 : abdul.k.mohamed@jsums.edu



New Mexico State University

Bridge to the Doctorate Cohort V



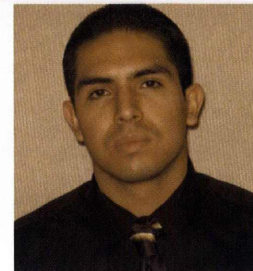
New Mexico State University is a vibrant mix of Southwestern tradition and leading edge technology. Classified as an RU/H-Research University (high research activity) by the Carnegie Foundation, NMSU continues to build on its land-grant heritage of teaching, research, and service. NMSU has a multicultural population of more than 27,000 graduate and undergraduate students on the main campus and four branch campuses. The university offers 81 bachelor's degree programs, 50 master's degree programs and 20 doctoral programs.



Alicia Arguelles, B.S., Biology, University of New Mexico, 2007, Graduate Major: Biology. Career Goal: *Professor with research interests in applications for live cell bio-imaging. Would like to study molecular events in neural and epithelial cells in culture.*



Carl Carrasco, B.S., Independent Study: Biology, Biochemistry and Psychology, New Mexico State University, 2007, Graduate Major: Wildlife Science. Career Goal: *Professor with research interests in aquatic ecosystems.*



Daniel Ramirez Gordillo, B.S., Biology, New Mexico State University, 2007, Graduate Major: Biology. Career Goal: *Professor in biology/neuronbiology with an interest in brain cell and central nervous systems research.*



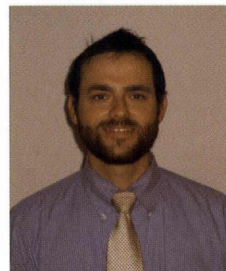
Lorena Gonzalez, B.S., Mathematics, University of Texas at El Paso, 2007, Graduate Major: Mathematics. Career Goal: *Professor of mathematics with research interests in algebras.*



Barbara Lugo, B.S., Engineering Technology, New Mexico State University, 2007, Graduate Major: Industrial Engineering. Career Goal: *Professor with research interests in manufacturing systems and outreach to under-represented minorities and women in engineering.*



Kristiana Martinez, B.S., Biochemistry, New Mexico State University, 2007, Graduate Major: Biology. Career Goal: *A cancer research scientist.*



James Morel, B.S., Wildlife and Fisheries Conservation, Southeastern Oklahoma State University, 2006, Graduate Major: Fishery and Wildlife Science. Career Goal: *Professor with research interests in aquatic ecology.*



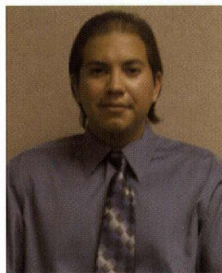
Carlos Ortega, B.S., Mechanical Engineering, New Mexico State University, 2007, Graduate Major: Mechanical Engineering. Career Goal: *A mechanical engineer. Would like to study models for optimal controls and use experimentation to validate them.*



Jasmine Pando, B.S., Biology, New Mexico State University, 2007, Graduate Major: Molecular Biology. Career Goal: *Would like to work in a national laboratory, such as the Center for Disease Control and Prevention. Has research interests in infectious and viral disease and immunology.*



Rose Perea, B.S., Engineering Physics, New Mexico State University, 2007, Graduate Major: Physics. Career Goal: *Either a career working in a national lab or as a physics professor. Has research interests in particle physics and computational material science.*



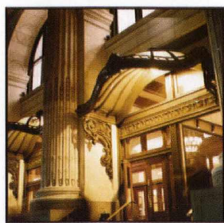
Pablo Tevini, B.S., Horticulture, Texas A&M University, 2006, Graduate Major: Horticulture. Career Goal: *Professor with research interests in native plants, subtropical fruits and nuts, medicinal plants, and sustainable and organic agricultural practices.*

"The Bridge to the Doctorate program has brought to the NMSU campus an additional pathway for students to advance to the Ph.D. The program has broadened the participation of underrepresented groups and enhanced the synergy between research and education. With the Bridge to the Doctorate Program, New Mexico Alliance for Minority Participation continues to broaden the scope of opportunities on our campus and across the state."



Waded Cruzado-Salas, Executive Vice President and Provost and Principal Investigator of New Mexico AMP

NEW YORK CITY ALLIANCE



A unique and distinguished intellectual partnership, The Graduate Center is the doctorate-granting institution for The City University of New York (CUNY). Here, 4,000 students and 1,600 faculty join in the shared enterprise of exploring and expanding the boundaries of knowledge within 32 doctoral programs in the humanities, social sciences and sciences.

ALLIANCE

PARTICIPATION

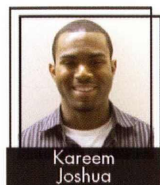
The Graduate Center, The City University of New York • 365 Fifth Avenue, New York, NY 10016
 Bridge to the Doctorate Coordinator at the Graduate Ctr. - **Gail Smith, Acting Assistant Provost**
 212-817-7542 • gsmith@gc.cuny.edu



Dr. Neville Parker, NYC LSAMP PI,
 City College • 138th & Convent Ave., Marshak J14, NY, NY 10031
 212-650-8854
 ampcc@ccny.cuny.edu

"The Bridge to the Doctorate program will provide the necessary incentive to enable the New York City LSAMP program to build the critical mass needed to remain catalytic, recruiting and retaining top LSAMP Research Scholar graduates to pursue graduate studies through to completion of the Ph.D."

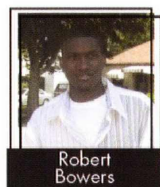
There are more than forty (40) chartered CUNY Institutes or Centers conducting STEM research, with six (6) led by minority faculty members. Bridge to the Doctorate participants will benefit from a rich research environment with superb training facilities, access to distinguished research-active STEM faculty, and opportunities to conduct research at Brookhaven National Labs.



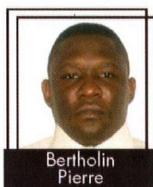
B.E. in Biomedical Engineering
 City College '07
 Graduate Major: Biomedical Engineering
 Career Goal: Obtain a Ph.D. and conduct research in a government agency such as the NIH.



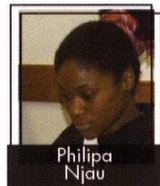
B.E. Electrical Engineering
 City College '08
 Graduate Major: Electrical Engineering
 Career Goal: Obtain a Ph.D. in Electrical Engineering.



B.S. Chemistry
 University of Houston '07
 Graduate Major: Chemistry
 Career Goal: Become a College Professor .



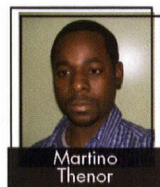
B.S. Biology
 Medgar Evers College '07
 Graduate Major: Biology
 Career Goal: Obtain a Ph.D. and continue working as a professor at an academic institution.



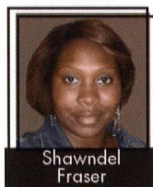
B.S. Chemistry
 City College '07
 Graduate Major: Chemistry
 Career Goal: Career in Research and Teaching.



B.A. Geography
 Hunter College '08
 Graduate Major: Geography
 Career Goal: To be an educator at the high school or college level in earth science.



B.S. Computer Science
 NYC College of Technology '07
 Graduate Major: Computer Info Systems
 Career Goal: Obtain a Ph.D., and work in the field of computer security.



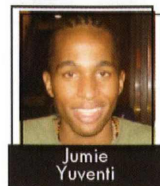
B.S. Psychology
 Brooklyn College '07
 Graduate Major: Environmental Psychology
 Career Goal: Complete a Ph.D. teach and conduct research at the college level.



B.A. Computer Science
 Hunter College '04
 Graduate Major: Urban Education/Technology
 Career Goal: Career in Computer Science and Technology Education, Design/ Development.



B.S. Mathematics
 Medgar Evers College '07
 Graduate Major: Mathematics
 Career Goal: Obtain a doctoral degree in the mathematical sciences and teach at the College level.



B.E. Electrical Engineering
 City College '08
 Graduate Major: Electrical Engineering
 Career Goal: Obtain a Ph.D. in Electrical Engineering.



B.S. Mathematics/Biology
 Medgar Evers College '08
 Graduate Major: Biomedical Engineering
 Career Goal: Become a Biomedical Engineer/Research Scientist.

GREATER PHILADELPHIA REGION LSAMP



Stephen R. Cox, MS
Co-PI, Project Director
Philadelphia AMP
Drexel University
3141 Chestnut St., Bldg 1, Rm. 308
Philadelphia, PA 19104
(215) 895-6835, srocx@drexel.edu

Bridge to the Doctorate Program Participants

The Greater Philadelphia Region LSAMP Bridge to the Doctorate, Cohort V is the expansion of four successful Cohorts of candidates who were nurtured and prepared for the graduate experience through: effective administrative planning, focused faculty advising and inclusion in a graduate community of learners whose primary objective is the pursuit of academic excellence and the acquisition of a Ph.D. The Bridge Fellowship has changed the graduate enrollment statistics in the region and has begun to facilitate a different atmosphere for underrepresented graduate engineers and scientist in the academy. The Philadelphia LSAMP takes great pride in being a contributor to the national engineering and scientific enterprise.



Jacqueline Tanaka, Ph.D.
BD Coordinator
Associate Professor, Biology
Temple University, 1901 N. 12th St.
Philadelphia, PA 19122-6078
(215) 204-8868, jtanaka@temple.edu
Research Area: Gated ion transport
in the visual system.



Alton Allen
BS-Computer and Information Science
Temple University, 2006
Ph.D. Candidate, Computer and
Information Science



Shileen Bynum
BA-Chemistry
Cheyney University of Pennsylvania, 2003
Ph.D. Candidate, Microbiology
and Immunology



Nejea Davis
BS-Chemistry/Biochemistry
Temple University, 2007
Ph.D. Candidate, Chemistry



Amaliris Gonzalez
BA-Biology
Temple University, 2007
MS Candidate, Biology



Keyona Gonzalez
BS-Biology
Delaware State University, 2007
MS Candidate, Biology



Justin Griggs
BA-Mathematics
University of California—Santa Cruz, 2003
MS Candidate, Mathematics



Virginia Kocieda
BS-Biology
Temple University, 2005
Ph.D. Candidate, Microbiology and Immunology



Enoch Kotei
BS-Biology
Temple University, 2007
MS Candidate, Biology



Andro-Marc Pierre Louis
BS-Chemistry
Temple University, 2007
Ph.D. Candidate, Chemistry



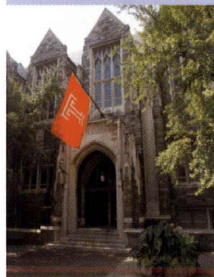
Renee Oats
BS-Physics
Lincoln University, 2005
MS Candidate, Civil Engineering



Carl Slater
BA-Mathematics
Morehouse College, 2006
MS Candidate, Statistics



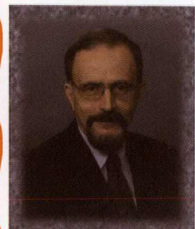
Johnny Perez
BS-Chemistry
Temple University, 2007
Ph.D. Candidate, Chemistry



Temple University is a national center of excellence in teaching and research with an international presence. The University hosts eight campuses and sites in Pennsylvania, international campuses in Rome, Tokyo, and London, and programs in China, Korea, Greece, Israel, and other locations throughout the world. Founded in 1884 by Dr. Russell Conwell as an informal adult-education outgrowth of his Baptist Temple ministry, Temple College was chartered in 1888 and was incorporated as Temple University in 1907. Offering more than four dozen doctoral and more than 100 master's degree programs that contribute to research and scholarship, Temple maintains its commitment to recruiting, retaining, and supporting outstanding faculty that prize diversity of thought, excel in scholarly endeavors, and support the aspirations of capable students.



Louis Stokes Alliance for Minority Participation Cohort V Bridge to the Doctorate Fellows



"This year in particular the BDP program is giving special emphasis to the emerging fields of nanoscience and nanotechnology to join efforts with the recently NSF funded EPSCoR Institute of Functional Nanomaterials to make a significant contribution to the diversity of the US nanotechnology workforce. Current and new BDP Fellows will benefit from the educational initiatives to be developed by the Institute, including courses and educational modules that will incorporate nanoscience pivoted on core scientific concepts into the curricula to educate students in the basic concepts, tools and processes of nanoscience"
Dr. Manuel Gomez, PI



The University of Puerto Rico is the flagship institution of higher education in the island; the major producer of Hispanic STEM baccalaureate degrees in the U.S., and the main source of Hispanic PhD's in science and Engineering. The College of Natural Sciences at UPR Rio Piedras offers Bachelor's degrees in Biology, Chemistry, Computer Science, Environmental Sciences, General Sciences, Mathematics, and Physics; Master's degrees in Biology, Mathematics, Physics and Chemistry and PhD degrees in Biology, Chemical Physics, Chemistry, Computer Science and Mathematics. On the other hand, the UPR School of Engineering is the main and largest school of engineering in Puerto Rico, and ranks 13th in undergraduate enrollment among universities in the U.S.; 18th in the number of undergraduate degrees awarded, and 3rd in the number of degrees awarded to women. Thirty five percent of the Engineering majors are women.

Bridge-to-the-Doctorate Coordinator

Prof. Javier Figueroa is the Assistant Coordinator of the PR-LSAMP Program and the BDP Coordinator. His field of specialization is Biology and Ecology. He has conducted research in Population Biology, biogeographical distribution and systematics of the Order Odonata in neotropical environments with emphasis in the Greater Antilles.

Address:

UPR Resource Center for Science and Engineering
P.O. Box 23334; San Juan, Puerto Rico 00931-3334
Tel. (787) 765-5170, ext. 2012; FAX (787) 766-1293
E-mail: j_figueroa@prlsamp.org



Dionne Hernandez
Undergraduate Institution: UPR-Humacao
BS Degree in Chemistry (2004)
Graduate Major: Bio-Chemistry
Career Goal: Obtain my Ph.D. in Biochemistry and continue a post-doc in this area. Would like to become a researcher in the area of neurodegenerative diseases.



Ismael Alicea
Undergraduate Institution: UPR-Humacao
BS Degree in Chemistry (2006)
Graduate Major: Bio-Chemistry
Career Goal: Obtain a Ph.D. in Biochemistry; Continue a post-doc in chemical-physics and become a researcher in treatments for diabetes.

Manuel Delgado

Undergraduate Institution: UIA-Arecibo
BS Degree in Biology (2003)
Graduate Major: Neurobiology
Career Goal: Obtain a Ph.D. in this area focused on neuromuscular diseases and continue a post-doc training in neural stem cell biology.



Ida Pantoja

Undergraduate Institution: UPR-Rio Piedras
BS Degree in Biology (2007)
Graduate Major: Microbiology
Career Goal: Obtain my Ph.D. and continue a post-doc in this area. Also, become a college professor and conduct research in my area of study.



Karinel Nieves
Undergraduate Institution: UPR-Rio Piedras
BS Degree in Chemistry (2007)
Graduate Major: Organic Chemistry
Career Goal: Obtain my Ph.D. and Post-doc in this area. Also, become a college professor and researcher to synthesize novel bioactive compounds.



Ana R. Cameron
Undergraduate Institution: UPR-Mayaguez
BS Degree in Chemical Engineering (2007)
Graduate Major: Chemical Engineering
Career Goal: Obtain my Ph.D. and become a researcher focused on developing novel nanomaterials.

Ruth Hidalgo

Undergraduate Institution: UPR-Mayaguez
BS Degree in Mechanical Engineering (2007)
Graduate Major: Mechanical Engineering
Career Goal: Obtain my Ph.D. in Materials Engineering with emphasis in nanomaterials, work as a researcher in a high tech company and become a professor.



Denisse Soto

Undergraduate Institution: UPR-Mayaguez
BS Degree in Chemical Engineering (2007)
Graduate Major: Chemical Engineering
Career Goal: Obtain a Ph.D. and work as a researcher in nanomaterials. Also, I would like to become a professor in my field of study.



Damian Reyes
Undergraduate Institution: UPR-Mayaguez
BS Degree in Chemical Engineering (2007)
Graduate Major: Chemical Engineering
Career Goal: Conduct research in the area of nanostructures; work first in industry and later in a University.



Carlos A. Rodriguez
Undergraduate Institution: UPR-Rio Piedras
BS Degree in Biology (2007)
Graduate Major: Ecology
Career Goal: I am mostly interested in interactions at the ecosystem level, specially in exotic species and the effects on local and native communities. I would like to become a researcher and professor at the University.

Rosalyn Gonzalez

Undergraduate Institution: UPR-Cayey
BS Degree in Biology (2007)
Graduate Major: Molecular Biology
Career Goal: Obtain a Ph.D. in Molecular Biology and become a researcher.



Juan Burgos

Undergraduate Institution: UPR-Rio Piedras
BS Degree in Physics (2007)
Graduate Major: Physics
Career Goal: Obtain my MS degree in Physics and continue my Ph.D. in Theoretical High-Energy Physics. I would like to seek a postdoctoral position that will enable me to attain a position as a faculty member.





**University at Buffalo (UB), State University of New York (SUNY)
Louis Stokes Alliance for Minority Participation (LSAMP)
Bridge to the Doctorate Program (BD)**

The second SUNY LSAMP Bridge to the Doctorate program was launched at the University at Buffalo. The program has:

- Increased the visibility of SUNY LSAMP, especially with graduate STEM departments
- Provided a way to enroll new, talented, and academically strong LSAMP students into STEM graduate programs
- Provided new opportunities for LSAMP and AGEP to work together to bring more LSAMP undergraduates into the STEM doctoral pool



2007 UB Bridge to the Doctorate Fellows

(Undergraduate Degree/Major; Undergraduate Institution; career goal):



Jahmil Campbell
BS, Electrical Engineering
University at Buffalo
Research



Barnard Onyenucheya
BS, Electrical Engineering
University at Buffalo
Research



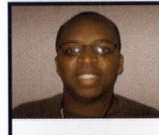
Corie Ellison
BS, Pharmacology and Toxicology
University at Buffalo
Research



Courtney M. Saenz
BS, Forensic Chemistry
Buffalo State College
Research/Professor



Ivonne M. Ferrer
BS, Chemistry
University of Puerto Rico-Cayey
Research/Professor



Epaphrodite Uwimana
BS, Computer Information Systems
Buffalo State College
Research/Professor



Rodolfo Garcia
BS, Pharmacology and Toxicology
University at Buffalo
Research/Professor



Jesus M. Velazquez
BS, Chemistry
University of Puerto Rico-Cayey
Research/Professor



Daniel O. Gavahi
BS, Architectural Engineering
California Polytechnic State
University, San Luis Obispo
Research



Keith Ward
BS, Industrial Engineering
University at Buffalo
Research



Pablo E. Guzman
BS, Chemistry
Chicago State University
Research/Professor



Christine D. Wingo
BS, Industrial Engineering
University at Buffalo
Research/Professor

The University at Buffalo is the largest and most comprehensive research-intensive university center in the State University of New York (SUNY) system and the first public university in New York to be admitted (in 1990) to the Association of American Universities (AAU). UB is a leader and innovator and our work in education, research and service is guided by our mission to improve the quality of life for the people of our region and to the world at large.

Our strengths in medicine, engineering and computer science enable us to conduct multidisciplinary research and provide education at a level of excellence that few universities can match. The faculty of UB's professional schools share an unusually strong research orientation with their counterparts in the arts and sciences and together they have established an outstanding record of research, scholarship and creative activity. UB is at the heart of the Buffalo Niagara region, nourishing and enriching the community, helping to turn it into a thriving hub of activity and growth.



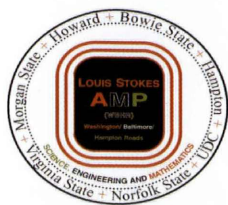
Dr. David L. Ferguson
Project Director
SUNY LSAMP



Dr. Letitia Thomas
Site Coordinator
UB Bridge to the Doctorate

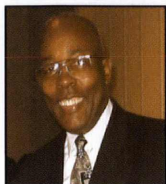


UB Bridge to the Doctorate
255 Capen Hall
University at Buffalo
Buffalo, New York 14260-1603
716-645-7301

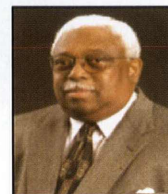


Washington Baltimore Hampton Roads-Louis Stokes Alliance for Minority Participation (WBHR-LSAMP)

"The WBHR-LSAMP consists of seven partner institutions including Bowie State University, Hampton University, Howard University, Morgan State University, Norfolk State University, the University of the District of Columbia and Virginia State University. The Bridge to the Doctorate program is instrumental in helping the Alliance meet the goal of encouraging students to pursue graduate training in fields where there is still gross under-representation of minorities and especially minority women. We anticipate that a large portion of these BD students will choose research and teaching careers in academe. Furthermore, the BD students will be able to take advantage of the current programs that encourage students to enter the professoriate." Howard University has a faculty of 2,075 and an overall enrollment of approximately 11,000 students of which 3,600 are at graduate level. It is a Research Extensive Institution and a Carnegie Level I Research Institution. Howard is one of three Ph.D. granting institutions in our Alliance and its graduate school offers Doctoral degrees in 16 STEM fields.



Clarence M. Lee, Ph.D. Biology
Co-Principal Investigator/
Executive Director
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(202) 238-2511



Richard A. English
Provost and Chief Academic Officer
Principal Investigator
Howard University

Academic Year 2007-2008

HOWARD UNIVERSITY



CHRISTOPHER R. AGARD
Howard University
B.S. Biological Sciences, 2007
Graduate Major: Biology/Ecology
Career Goal: To become an authority in the field of ecology, teach and mentor disadvantaged students in the field.



LOUIS ANTOINE
Northeastern University
B.S. Mechanical Engineering Technology, 2007
Graduate Major: Mechanical Engineering
Career Goal: To obtain a Ph. D. in Mechanical Engineering and to test, design and develop microchip machines.



MONIQUE N. CALHOUN
Hampton University
B.S. Physics, 2007
Graduate Major: Physics
Career Goal: To become a Physics Professor.



DANIEL CASIMIR
Morgan State University
B.S. Physics, 2002
Graduate Major: Physics
Career Goal: To conduct research with Federal Government Research Centers.



KASEY N. DAVIS
Morgan State University
B.S. Biological Sciences, 2006
Graduate Major: Anatomy
Career Goal: To conduct neuroscience research that focuses on finding cures for neurological diseases.



DENITRA A. EVANS
N.C. State University
B.S. Biochemistry, 2004
Graduate Major: Microbiology
Career Goal: To conduct research on viruses and find cures for them.

EZRA C. HACKETT

N.J. Institute of Technology
B.S. Biomedical Engineering, 2004
Graduate Major: Microbiology
Career Goal: To become a leading researcher and professor.

KIMBERLY D. MASON

St. Augustine's College
B.S. Biological Sciences, 2004
Graduate Major: Microbiology
Career Goal: To conduct research and share my Passion for science with others.

RHONDA P. MCCOY

North Carolina A&T University
B.S. Chemistry, 2004
Graduate Major: Chemistry
Career Goal: To conduct chemical research and teach chemistry.

FRAJOVON R. TALLEY

Howard University
B.S. Chemistry, 2007
Graduate Major: Chemistry
Career Goal: To become a senior chemist in a pharmaceutical company.

JORGE VELEZ-JUARBE

U. of Puerto Rico - mayaguez
B.S. Geology, 2007
Graduate Major: Anatomy
Career Goal: To earn a Ph.D. in an area related to vertebrate paleontology and work in academia or a museum.

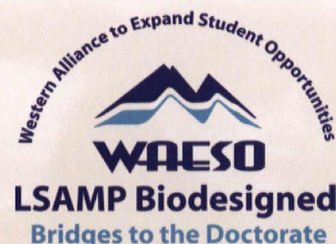
DANYELLE A. WINCHESTER

University of Maryland, Eastern Shore
B.S. Biological Sciences, 2006
Graduate Major: Genetics and Human Genetics
Career Goal: To conduct research in Genetics and increase awareness of genetic risks for certain conditions.



Western Alliance to Expand Student Opportunities (WAESO) Biodesigned Bridges to the Doctorate

Fellowship recipients participate in a sequence of supervised program activities under the unifying theme of **Biodesigned Bridges to the Doctorate**. Fellows take part in the *Arizona Biodesign Institute* and the *Mathematical and Theoretical Biology Institute* in addition to traditional academic departments. Academic specializations cut across disciplines and permit cutting-edge research in any of the following areas: modeling, analysis, design, and control of complex systems and processes, mathematical biology, computational mathematics, demography, ecology, environmental science, epidemiology, bio-terrorism, networks, photobiology, photochemistry, synthetic chemistry, photosynthetic systems, communications, controls, multi-objective optimization, vaccines from applied crop science, protein and peptide pharmaceuticals, biooptical nanotechnology, single molecule biophysics, applied nanobioscience, neural interface and brain control, rehabilitation neuroscience and rehabilitation engineering, evolutionary functional genomics, and distributed computation.



Program activities are designed to assist students in developing the research and related skills necessary for successful doctoral study while completing a Master of Science degree with thesis. All fellows participate as a cohort in the following program activities: 1. Research Class. 2. Research Seminars. 3. Research Presentations. 4. Professional Conferences. 5. Professional Organizations. 6. Mentoring of Undergraduates. 7. Visits to High Schools. 8. Assessment and Mentoring.

We in the Western Alliance to Expand Student Opportunities (WAESO), are thrilled to participate in five LSAMP Bridges to the Doctorate cohorts thus far. All of the bridged LSAMP students share the vision of breaking disciplinary boundaries by working closely with collaborative teams of mathematicians, physicists, biologists, engineers, chemists, and biomedical researchers. In turn, the research team leaders are pleased to be able to recruit talented and energetic LSAMP graduates who have been encouraged and nurtured by our exemplary faculty mentors within our alliance. On behalf of my WAESO colleagues, I applaud the National Science Foundation's efforts in once again supporting bridges to help meet the nation's critical need in the science and technology workforce.



Dr. Antonio A. Garcia



Dr. Carlos Castillo – Chávez



Dr. Ana Moore



Dr. Ferran Garcia-Pichel

WAESO Principal Investigator/Project Director: Dr. Antonio A. Garcia, Professor, Harrington Department of Bioengineering, Ira A. Fulton School of Engineering, Arizona State University. *Research Area:* Bionanotechnology. *Doctoral Degree:* Chemical Engineering.

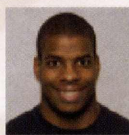
Bridge to the Doctorate Co-Coordinators: Dr. Carlos Castillo-Chávez, Joaquin Bustoz Jr. Professor of Mathematical Biology and Director of the Mathematical and Theoretical Biology Institute, Department of Mathematics and Statistics, Arizona State University. *Research Area:* Mathematical, Theoretical, and Computational Epidemiology. *Doctoral Degree:* Applied Mathematics. Dr. Ana Moore, Professor, Department of Chemistry and Biochemistry, Arizona State University. *Research Area:* Photochemistry. *Doctoral Degree:* Chemistry. Dr. Ferran Garcia-Pichel, Associate Professor, Faculty of Ecology, Evolution and Environmental Science & Faculty of Genomics, Evolution and Bioinformatics, School of Life Sciences, Arizona State University. *Research Area:* Geomicrobiology. *Doctoral Degree:* Biology.



1.



2.



3.



4.



5.



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9.



10.



11.



12.

1.) NAME: Carl E. Ballard II; **Undergraduate Degree:** B.S.; **Undergraduate Major:** Mathematics; **Institution:** Alabama State University; **Year of Degree:** 2007; **Graduate School Major:** Applied Mathematics; **Career Goal:** Research Professor **2.)** Walter Chambliss; B.S.; Mathematics; Alabama State University; 2007; Mathematics; Ph.D. in Mathematics **3.)** Timothy Clore; B.S.; Biomedical Sciences; Western Michigan University; 2006; Chemistry; Ph.D. in Chemistry **4.)** Jose L. Hernandez Santiago; B.S.; Computer Science-minor in Mathematics; Universidad Metropolitana; 2005; Media Arts & Sciences; Develop new media technology to help people with learning disabilities **5.)** Emmanuel Morales; B.S.; Applied Mathematics; Universidad Metropolitana; 2007; Mathematics; Ph.D. in Mathematics **6.)** Kehinde Salau; B.A.; Mathematics; St. Mary's College of Maryland; 2007; Applied Mathematics; Ph.D. in Applied Mathematics **7.)** Erin Schultz; B.S./B.A.; Biology/Spanish; University of New Mexico; 2007; Biology-Physiology; College Professor **8.)** Edme Soho; B.S.; Mathematics with a minor in Physics; Montclair State University; 2007; Mathematics; Ph.D. in Mathematics **9.)** Yeralid Sotomayor-Castro; B.S.; Microbiology; University of Puerto Rico, Mayaguez; 2005; Microbiology; Ph.D. in Public Health **10.)** Jolene E. Trujillo; B.S.; Biology; University of New Mexico; 2007; Biology with emphasis in Ecology; Research Professor **11.)** David Tschappat; B.A.; Mathematics; Our Lady of the Lake University; 2007; Mathematics; Teach or Industry **12.)** Yusuf Tufail; B.S.; Health Sciences-Physiology; University of Arizona; 2006; Biology; Professor

BD NEWS AND ACCOMPLISHMENTS

Alabama

Alabama LSAMP Initiates Bridge to the Doctorate Cohort V at The University of Alabama

Alabama LSAMP held its Fall Executive Committee at The University of Alabama (UA), the selected site for Alabama Bridge to the Doctorate (BD) Cohort V. The meeting provided an opportunity for all co-PIs at partner institutions to meet the BD students and science, technology, engineering and mathematics (STEM) faculty at UA. The committee and students were welcomed by UA President Robert Whitt and Executive Vice President and Provost Judy Bonner. The STEM faculty had lunch with the students and discussed research projects.



(Standing) Alabama Cohort V BD Fellows (Seated L to R) Dr. Viola L. Acoff, UA BD Coordinator, Dr. Judy L. Bonner, UA Executive Vice President and Provost, Dr. Carolyn Braswell, Alabama BD Project Manager, The University of Alabama at Birmingham and Dr. Louis Dale, Alabama BD Principal Investigator.

2008 Alabama/Mississippi Bridge to the Doctorate Winter Conference.

On January 25th and 26th, The University of Alabama at Birmingham hosted the 2008 Alabama/Mississippi Bridge to the Doctorate Winter Conference. BD program requirements and expectations as well as current Alabama LSAMP and national BD data were discussed during the general assembly.



(Left) Dr. Samuel Jones, author and national speaker, was the luncheon guest speaker. (Right) Three panels, comprised of BD Fellows from the Alabama cohorts, discussed the topics *Selecting Research Topics and Conducting Research*, *Effective Laboratory Techniques for Successful Research* and *The Dissertation and Its Components*.



Colorado

International Collaboration between Colorado State University (CSU) and Egypt

Dr. Galal M. Said, President of Fayoum University in Fayoum, Egypt, visited CSU on December 12, 2007. A series of meetings to explore new collaborative opportunities between CSU and Fayoum University (FU) were conducted. The highlight of his visit was to sign an International Memorandum of Understanding (IMOU) in a special ceremony with Provost Tony Frank. The IMOU will facilitate cooperative academic activities and strengthen the international context of research and education for students and faculty at both universities.



This International Component will benefit the students in the following:

1. Exchange graduate students between FU and CSU to conduct research in Engineering, Agriculture and Education.
2. Exchange Faculty
3. Exchange Undergraduate Students.

Professor Omnia El-Hakim, Principal Investigator and Director of Colorado Alliance for Minority Participation (CO-AMP), said, "I hope this collaboration will open new doors for CSU and CO-AMP students who are interested in research opportunities that exist only in Egypt such as Ecology, Environmental and Water Resources that impact the River Nile and Islamic/Egyptian Archeology."

By the second year, the award of the Bridge to the Doctorate Program has already made a significant impact on the number of underrepresented students pursuing graduate degrees in the STEM disciplines at CSU. When comparing data from the year before the first cohort of BD Fellows to this year (2005-2007), there was a 29% increase (from 75 to 97) in the number of URM STEM graduate students at CSU. During the same time period, there was only a 3% increase from (1781 to 1837) in the total number of STEM graduate students. NSF will continue to have an important impact on the production of underrepresented Ph.D.'s as we nurture these outstanding students until they achieve their goal of earning a doctorate and joining the professoriate.



Cohorts 1 and 2 BD Fellows at a recent workshop.



Miriam Galeas is a second-year BD Fellow at CSU. She will earn her Master's degree in Ecology in May of 2008. Miriam spent the fall semester of 2007 assisting with research in Perth, on the western coast of Australia. While in Australia she worked with researchers in the Restoration Ecology Laboratory at Murdoch University. She helped with mining rehabilitation projects in the jarrah forest, and with climate change experiments in banksia woodlands.

Every semester the School of Engineering at CSU holds an Information Science and Technology Day for High School Students and Counselors (ISTeC Day). Different engineering corporations sponsor the event and also provide representatives to come speak to the students and counselors about the engineering applications included in their field. In addition to corporate sponsors, the groups are then given a tour around the various engineering and science labs located on campus. I work in the Articulated Mo-



tion Lab, where we house three different robots and several different demos. After showing the kids the robotic demonstration and a few short video clips, we let them control the robot and also ask questions about engineering academia and application. Overall, it is a fun experience, and our lab always seems to be the crowd favorite!”

Shantell Hinton is a second-year BD Fellow at CSU. She will earn her Master’s degree in Computer Engineering in May of 2008. Her focus is robotics.

Florida



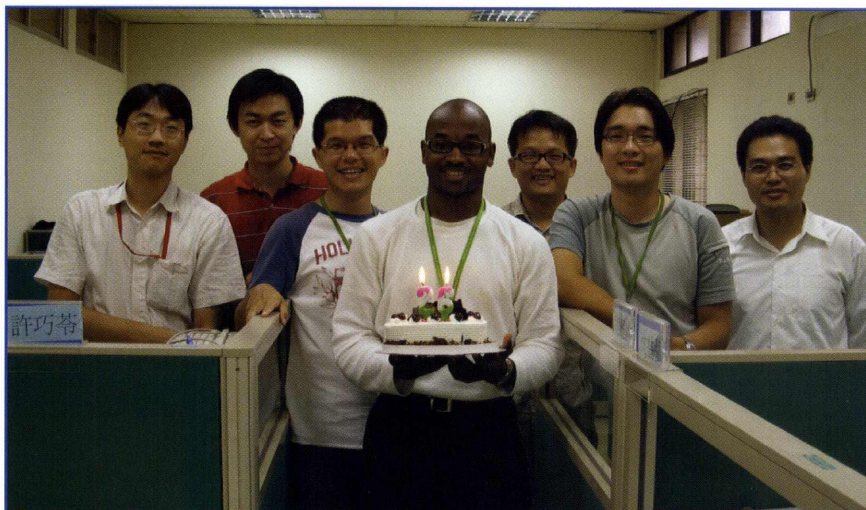
Al-Aakhir Rogers, a Ph.D. student in the Department of Electrical Engineering, was one of only 150 chosen from a nationwide pool of applicants to receive a prestigious East Asia and Pacific Summer Institute (EASPI) fellowship award. Al-Aakhir will be working at the Instrument Technology Research Center (ITRC) and the National Applied Research Laboratories in Hsinchu, 300, Taiwan, R.O.C. His project will involve near field scanning optical microscopy (NSOM) measurements of nanostructures and nanolithography using a perfect lens.

The primary goals of EASPI are to introduce students to East Asia and Pacific science and engineering in the context of a research laboratory and to initiate personal relationships that will better enable them to collaborate with foreign counterparts in the future. The institutes last approximately eight weeks from June to August. Each year, the EASPI program sends a select group of U.S. science and engineering graduate students to Australia, China, Japan,

Korea, New Zealand and Taiwan, where they work side by side with professors and peers from leading universities and laboratories on science and engineering challenges in those locations.

These cross-cultural experiences exposes EASPI students to the diversity of ideas that drives innovation, and it prepares them for leadership roles in the global research enterprise. EASPI participants receive a \$4,000 stipend along with airline travel and lodging.

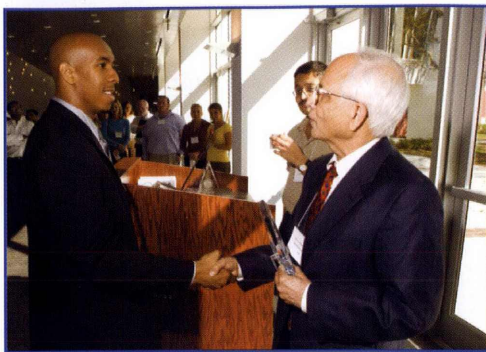
Al-Aakhir, a member of the Bio-MEMS and Microsystems research laboratory group, is a NSF BD and Sloan Minority Ph.D. Fellow in the College of Engineering. He also was a NSF BD Fellow at the first BD Cohort at North Carolina A&T State University from 2003-2005. In addition to his Ph.D. work focusing on the development of optical-based MEMS based sensors, he has been involved in several outreach activities, including the 2006 USF Micro/Nano Robotics K-12 Summer Camp, Florida-Georgia LSAMP Research & Career Expo and the 25th Annual National Conference of the United States Hispanic Leadership Institute.



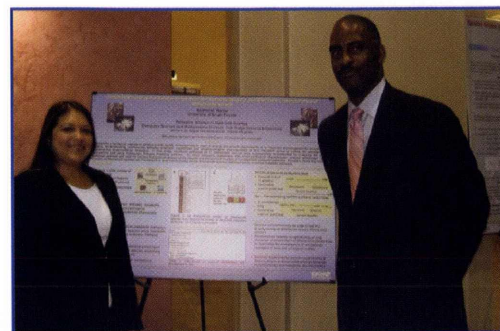
Florida-Georgia

Florida-Georgia (FG) LSAMP BD Fellow Camille Daniels (second from the left) is the recipient of two the College of Marine Science BD Endowed Fellowships at the University of South Florida (USF). Under the leadership of former USF College of Marine Dean Peter Betzer (far right), a \$1 million BD Fellowship Endowment has been established to support LSAMP graduate students in marine science.





FG-LSAMP BD Fellow Tony Price (left) from USF receives congratulations from NSF Program Director Rajinder Khosla (right) for his NSF Graduate Research Fellowship award during the Annual NSF BD and IGERT Graduate Research Symposium at USF.



FG-LSAMP BD Fellow Andrea Rocha from USF (left) discusses her summer research activities with FG-LSAMP Program Manager Byron Green at the Oak Ridge National Lab.

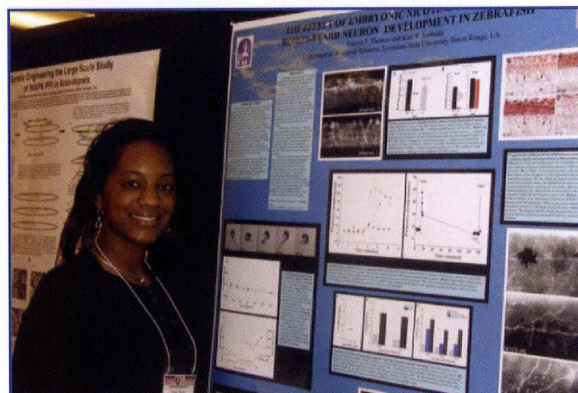
Louisiana



Louisiana State University (LSU) LS-LAMP Bridge to Doctoral Program (BDP) Campus Coordinator Myron Peters and LSU BDP Fellows Charisma Edwards, Leroy Davis, Tracey Johnson-Gruff David Muringi, Marietta Bois-dore, Shannon Chamber, Emily Jackson and Latoya Thomas attended the Western Alliance to Expand Student Opportunities (WAESO) conference in Tempe, Arizona at Arizona State University.



(Right) LSU BDP Fellow Latoya Thomas received first place at the WAESO conference in Tempe, Arizona at Arizona State University.



(Left) LSU BDP Fellow Monica Sylvain talking with Dr. Cora Marrett, Assistant Director for Education and Human Resources at NSF.

New Mexico

New Mexico Alliance for Minority Participation (New Mexico AMP) BD students participated in the following international activities:

Angela Chacon, BD I student, traveled to Kyoto, Japan on October 15-23, 2004 to attend the 2nd International Conference on Bridge Maintenance, Safety and Management, organized by the International Associate for Bridge Maintenance and Safety. Ms. Chacon presented her research project on Bridge Evaluation at the conference.

Gerardo Moreno-Crespo, BD IV student, traveled to Dublin, Ireland on April 20-29, 2007 to attend the 2007 IEEE Vehicular Technology Conference. Mr. Moreno-Crespo presented a poster on his research project entitled, "Distributed Alamouti Transmit Diversity Techniques for Cooperative Communications."

Oklahoma

The Oklahoma BD program completed three years of the grant.

The Fall semester at Oklahoma State University (OSU), began with a luncheon honoring the students and their mentors. The luncheon was hosted by the Graduate College, Dean Gordon Emslie and Dr. Cornell Thomas, Vice President for Institutional Diversity and PI for the OK-LSAMP program.



One student, Brett Cowan, completed requirements for the Doctor of Education degree in Civil Engineering and is currently employed with the U.S. Army Corp of Engineers in Tulsa, Oklahoma.

Marty Heppler, master of science student in Entomology and Plant Pathology, completed her degree and discovered a new species of organism. After polymerase chain reactions, sequencing, and using a Basic Local Alignment Search Tool, she came to the conclusion that the *typanosomatid* in the Squash Bug, *Anasa tristis* is a new species.

Other students in the program at both OSU and the University of Oklahoma (UO) continue with course studies, research, presentation and assisting with the OK-LSAMP program when called upon.

State University of New York (SUNY)

The University at Buffalo (UB) was awarded a BD grant in July 2007. Sponsored by NSF, the project is a supplement to the SUNY Louis Stokes Alliance for Minority Participation (SUNY LSAMP) grant. This exciting and innovative program is aimed at increasing the quality and quantity of students of color successfully completing STEM degree programs. Another goal is to increase the number of students interested in, academically qualified for, and matriculated into, doctoral programs.

The program, in its first year of operation, is providing academic and financial support to 12 students at UB. BD Fellows receive stipends of \$30,000 each, with additional funding to pay for tuition, health insurance and other fees. The sizable fellowships eliminate the financial burdens that impede qualified students from pursuing graduate degrees. Enhancing efforts to recruit and retain a diverse group of the best students for graduate and programs is among the goals of the UB 2020 strategic planning initiative.



UB Fellows attending 2007 BD/AGEP Orientation

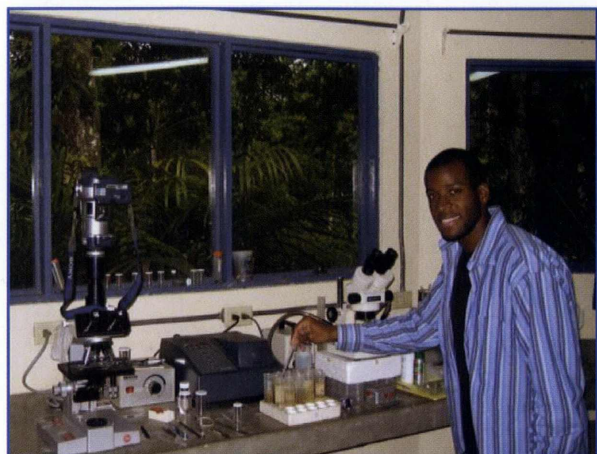
University System of Maryland



BD Fellows from the University of Maryland, Baltimore County (UMBC) and the University of Maryland, College Park listen to talks at the PROMISE Second Annual Research Symposium held at the UMCP campus on January 22, 2007. About 60 graduate student research presentations were showcased throughout the day.

Washington/Baltimore/Hampton Roads

Mr. Justin Wilson, a second year BD Fellow majoring in physiology, visited Johannesburg and Capetown, South Africa with 20 other young leaders from Howard University and the University of Maryland. As a mission volunteer, he worked in the village of Diesploit. Justin reports that he experienced a major life-changing event when the smiling faces of 200 young children who were innocent, beautiful and tenacious greeted him through song and dance. Justin experienced first hand knowledge of the impact of HIV/AIDS on an international setting and was informed of the different relief efforts and public health initiatives that were being made.



Mr. Thomas Hardy, a third year BD Fellow majoring in environmental ecology, spent two months of the summer of 2007 in the southern Talamancan mountain range of Costa Rica continuing his comparison of the invertebrate communities of tropical phytotelmata. The research uncovered interesting new details which led him to believe community structure is controlled by more than predation. Chemical and physical cues presented by the plants act to selectively attract insects. These data also suggest that tropical phytotelmata are benefitting from their unique associations of inquilines. He intends to further support these findings in summer 2008 research by performing colorimetric assays of radioactively labeled isotopes of nitrogen and phosphorous within the plant tissue.

Ms. Kourtney Fulton, a fourth year BD student majoring in mathematics was recently highlighted in a television news report on the impact of mentoring minority students in her hometown of Columbia, South Carolina. The video and following abstract can be viewed at the WLTX website <http://www.wltx.com/news/story.aspx?storyid=51668>. The Columbia Urban League's "Defy the Odds" Summer Camp is part of their Violence Prevention and Sex Education Camp. "Give me an instance where you may have to hurt someone's feelings," Instructor Kourtney Fulton asks her class. Thursday's lesson is refusal and no one knows that word better than 13 year old Angel Street. The Fulmer Middle School honor student has turned down unhealthy people and places to break her family cycle. "My parents were average, now my brother and I are honor students, doing things no one thought anyone in our family could do," Street says. Angel Street is convinced this camp will help her reach even higher. "It's teaching me the consequences of bad things and how I can make good choices," she adds. "She is very focused," adds Instructor Kourtney Fulton. Besides Sex Education and Violence Prevention, Fulton is teaching students job skills, planning, budgeting and more. The Howard University Graduate Student and Columbia native returns home from Washington D.C. every summer to set an example that otherwise may not be set. "I think it's important to come back and work with students that went to the same school I went to so they know they can defy the odds," Fulton adds. "It makes me feel that I can do this; to know somebody like me is making it, I know I can too," Street adds.



Ms. Jocelyn Myers, a fourth year BD Fellow majoring in immunoparasitology, has been awarded a Minority Supplement grant from the National Institutes of Health (NIH) entitled "A Gene Map for *Biomphalaria glabrata*, a *Schistosoma mansoni* host." She has also recently published a paper in the Journal of Parasitology entitled "Differences in Cysteine Protease Activity in *Schistosoma mansoni* Resistant and Susceptible *Biomphalaria glabrata* and Characterization of the Hepatopancreas cathepsin B full-length cDNA."



Ms. Melissa Fletcher, a fourth year BD Fellow majoring in chemistry has published a paper in the Journal of Electroanalytical Chemistry entitled "Spectroelectrochemical investigation of the pH dependent aggregation state of iron TAP."

COHORT V PRINCIPAL INVESTIGATORS

ALLIANCE	PRINCIPAL INVESTIGATOR	ADDRESS	TELEPHONE/E-MAIL
Alabama	Dr. Louis Dale Vice President for Equity and Diversity	The University of Alabama at Birmingham CH 401, 1530 3 rd Avenue South Birmingham, AL 35294-1170	(205) 934-8762 ldale@uab.edu
California State	Dr. Joseph Sheley Provost and Vice President for Academic Affairs	California State University, Sacramento 6000 J Street, SQU 534 Sacramento, CA 95819-6124	(916) 278-3838 sheleyj@csus.edu
Colorado	Dr. Omnia El-Hakim University Executive Director of Recruitment and Retention Graduate School	Colorado State University Engineering Building E-118 1301 Campus Delivery Fort Collins, CO 80523-1301	(970) 491-2656 omnia.elhakim@colostate.edu
Illinois	Dr. Elnora D. Daniel President Dr. Marion Wilson Comer Professor of Biology	Chicago State University 9501 S. King Drive Chicago, IL 60628	ed-daniel2@csu.edu (773) 995-3745 m-comer@csu.edu (773) 995-3296
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Bridge to the Doctorate Alliances

LSAMP alliances at the senior level are eligible for Bridge to the Doctorate (BD) support. BD funding provides financial support for eligible students for two years of graduate study. Proposals for BD support must describe effective strategies for recruiting, retaining, educating and graduating the participants. Proposers must provide documentation of past performance at the designated graduate institutional site of retaining, graduating and placing significant numbers of LSAMP graduates into doctoral-degree programs. A plan for formally connecting a significant number of matriculated LSAMP students, including master's degree graduates, to doctoral degree programs is expected. Beginning in FY 2008, requests for BD support must be submitted as a new proposal in FastLane.

