

The State University of New York Louis
Stokes Alliance for Minority Participation
(SUNY LSAMP)

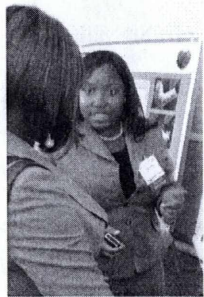
Student Biographies

Table of Contents

| | |
|--|------|
| Binghamton University (Binghamton Region) | p.3 |
| SUNY at New Paltz (Hudson Valley Region) | p.6 |
| SUNY at Old Westbury (Long Island Region) | p.11 |
| Stony Brook University (Long Island Region) | p.14 |
| University at Albany (Albany Region) | p.18 |
| University at Buffalo (Buffalo Region) | p.21 |
| Stony Brook University Bridge to the Doctorate | p.25 |
| University at Buffalo Bridge to the Doctorate | p.29 |

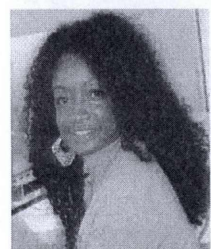


Christina Abate is starting her senior year at Binghamton University (BU), majoring in Mechanical Engineering with a concentration in Sustainable Engineering. She participated in the 2011 LSAMP Summer Research Program, conducting research and implementing a water distribution system in Rio Hondo, Honduras under the direction of Drs. Daryl Santos and Raymond Barnes. Christina is currently the Vice President of the Society of Hispanic Professional Engineers chapter at BU

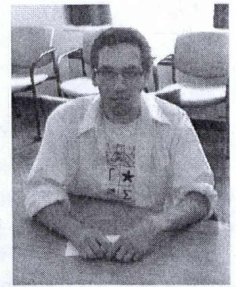


Crystal Blair is currently a senior majoring in Biology at Binghamton University. Crystal transferred to BU from Owesgo, State University of New York in Spring 2010. This past summer she participated in the BU LSAMP 2011 Summer Research Program, conducting research that focused on the expression patterns of NADPH oxidase subunits in NGF- treated PC12 cells. Upon completing her B.S., Crystal plans to pursue a Master's and Ph.D. in Public Health so that she can continue research as well as apply her research outside of the lab to improve the lives of others in the greater community.

Marie Coralie Brutus graduated from Binghamton University with a B.S. in Industrial and Systems Engineering in 2011 with a GPA of 3.9/4.0. She joined LSAMP her sophomore year and participated in the Science Undergraduate Laboratory Internships (SULI) at Brookhaven National Laboratory for two consecutive summers. Her senior project and 2011 LSAMP summer research involved the design and construction of a water distribution system in Rio Hondo, a small community in rural Honduras. Coralie received the Binghamton University President's Award for Undergraduate Student Excellence in Spring 2011. She is currently pursuing her M.S. in Industrial Engineering at Pennsylvania State University, with funding.

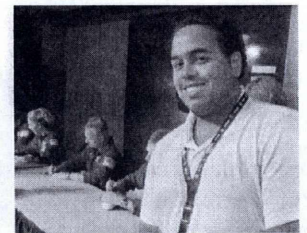
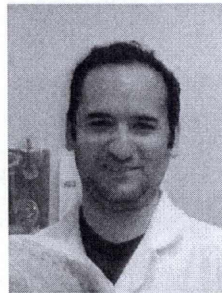


Dr. Susan Campbell graduated from Binghamton University with a B.S. in Psychobiology in 1997. Dr. Campbell accredits her experience as an undergraduate research assistant in determining her career path. She received her Ph.D. in Neurobiology from the University at Alabama (UAB) in 2005. Since 2010 Dr. Campbell has worked as the Associate Director for Research, Outreach and Development/Postdoctoral Fellow at the UAB's Civitan International Research Center (CIRC). CIRC is an interdisciplinary center dedicated to improving lives through brain research and treatment of developmental disabilities

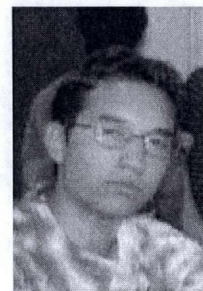


Steven Collazos graduated from Binghamton University with a B.S. in Mathematical Sciences and a minor in Physics in August 2011. In the summers of 2009 and 2010 he participated in the Rice University Summer Institute of Statistics NSF REU. Steven participated in the 2011 BU LSAMP/McNair Summer Research Program, conducting research under the direction of Dr. Matthias Beck, Associate Professor of Mathematics at San Francisco State University (SFSU). He is in his first semester of the M.S. in Mathematics Program at SFSU with funding, and intends to pursue a Ph.D. in Pure Mathematics.

Ph.D. Candidate, **Giancarlo (John) Cuadra** graduated in 2004 from Binghamton University with a B.S. in Biological Sciences, Cell and Molecular Biology. John began his undergraduate career at Rockland Community College, receiving his A.S. in Mathematics and Science and working as an undergraduate research assistant at BU in 1999 through the NIH funded Bridges to the Baccalaureate program. Giancarlo expects to complete his is PhD in Biological Sciences at Binghamton in Spring 2011. Giancarlo is married and the proud father of two boys and a baby girl.

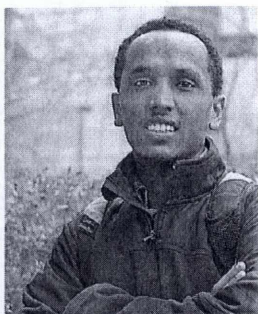


Roberto A. Dextre is in his senior year at Binghamton University majoring in Mechanical Engineering. Robert participated in the BU 2010 LSAMP Summer Research Program, conducting research on the operations of Micro-Electromechanical System Resonators. This past summer, Robert was selected to participate in NASA's Summer 2011 Advances in Cryogenic Propellant Storage Technology Internship at Marshall Space Flight Center. During his summer internship he worked on a project entitled "Cryogenic Acquisition and Transfer System" (CATS). He intends to pursue his Ph.D. in Aerospace Engineering.



Adriano Garcia graduated from BU in 2011 with a B.S. in Computer Science after earning his A.S. in Computer Science from Westchester Community College in May 2007. He came to the United State in 2001, barely able to speak English. He is currently a SUNY LSAMP BD at Binghamton, in the Computer Science M.S. program. Upon completion of his M.S., Adriano plans to complete a Ph.D. and continue in academia as a researcher and professor.

Isaak Ghebremicael graduated BU with a BS in Industrial and Systems Engineering in 2011 and is currently a SUNY LSAMP BD Fellow at Binghamton. As an active participant of LSAMP and the McNair Scholars Programs in undergrad, Isaak conducted research under the direction of Dr. Darryl Santos. Their paper "A Comparison of Performance between Distance Learners and On-Campus Learners in a Graduate Level Quality Assurance Course for Engineers" received third place in the Best Paper category at the 2010 American Society for Engineering Education North Central Sectional Spring Conference. His desire to pursue a Ph.D. comes from his experience as an undergraduate researcher.

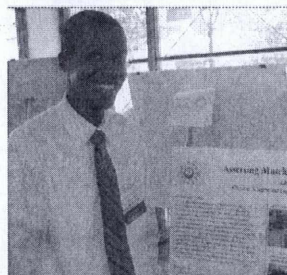


Jackie Leandre graduated from Binghamton University with a B.S. in Industrial and Systems Engineering in May 2011. Jackie was an active member of LSAMP as well as the President of the National Society of Black Engineers chapter at BU, a member of the Binghamton University Gospel Choir, a counselor for the BU Science Program, and a member of Sigma Alpha Lambda National Honor Society. Jackie is currently in her second year of the M.S. in Industrial and Systems Engineering program with funding at BU.



Eduardo D. Gigante is a second year Behavioral Neuroscience Ph.D. student at Binghamton University. He earned his B.S. in Psychobiology from Binghamton University in May 2010 after transferring into BU in the Fall of 2008

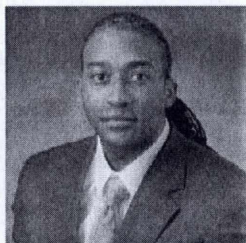
from Onondaga Community College. He was a National Institute of Health (NIH) funded Bridges to the Baccalaureate participant at BU in the summer of 2007, conducting research on alcohol tolerance levels. In the summer of 2008 he interned at the NIH in Bethesda, Maryland, working on the assembly of an optical diffractometer.



Linford L. Leitch graduated from Binghamton University in 2010 with a B.S. in Bioengineering. While at BU Linford worked as an LSAMP undergraduate research assistant on "Assessing Muscle Effort During Knee Extension Using Vibromyography". Linford is

entering his second year of the M.S. in Biomedical Engineering program at the City University of New York where he is studying neural systems and behavior.

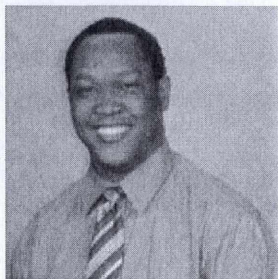
Dr. Andre M. Hall graduated from Binghamton University with a B.S. in Mechanical Engineering in 2001. Dr. Hall went on to earn his M.S. (2004) and Ph.D. (2007) in Mechanical Engineering at Syracuse University. Dr. Hall is a Senior Engineer at Pratt & Whitney in West Hartford, Connecticut.



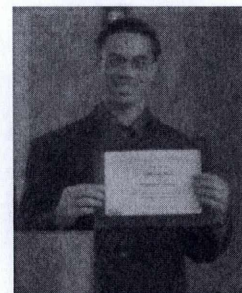
No
Photo
Available

Dr. Michelle Montoya-Goldman graduated from Binghamton University with a B.S. in Biochemistry in 1998. Dr. Montoya-Goldman went on to earn her Ph.D. in Biochemistry and Biophysics from Columbia University in 2004. After graduation she took a position at Nature Publishing Group, as an Associate Editor (2005-2007) and Senior Editor (2007-2010) of Nature Structural & Molecular Biology.

Dr. Brian Hamilton graduated from Binghamton University in February 1999. Dr. Hamilton earned his D.D.S. at Howard University College of Dentistry in and completed a residency at Harlem Hospital in New York City. He has been a practicing dentist since 2003. He provides oral & maxillofacial surgery services to patients starting at age 12. Special services include bone grafting, dental implants, extractions, pre-prosthetic surgery, ridge augmentation, sinus lift and endodontic surgery.



Miguel Nina is a second year graduate student in the M.S. Computer Science program at Binghamton University. Miguel graduated from BU in May 2010, with a B.S. in Computer Science and a B.A. in Mathematical Sciences. While an undergrad Miguel was an active participant in the NYS Educational Opportunity Program, LSAMP and McNair Scholars. In the Summer of 2009 Miguel participated in the Binghamton University Department of Computer Science NSF REU conducting "Circuit Design" research.





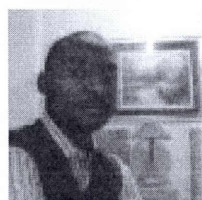
Dr. Rebecca Orlick received her B.S. in Biology from Binghamton University in February 1999. She received her D.D.S. from Stony Brook University School of Dental Medicine in June 2004, where she was the recipient of the American Dental Society of Anesthesiology Award and the Northeastern Society of Periodontology Award. Dr. Orlick works in Staten Island, specializing in periodontics and implant surgery, and

is a clinical instructor at Staten Island University Hospital.

Gandhy Pierre-Louis is starting his fourth year in the Developmental Biology Ph.D. program at Stanford University. He graduated from Binghamton University with a B.S. in Biology and a minor in Africana Studies in May 2008. While at Binghamton he was a member of several academic programs including LSAMP and the

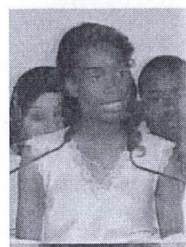


McNair Scholars Program, which collectively supplied the resources and the support system that nurtured his academic interest to pursue graduate school. A first generation Haitian-American, his ultimate goal is to become a research scientist and to inspire and serve minority students who like myself aspire to pursue an interest in science.



Dr. Nnamdi C. Nwanze earned his B.S. in Electrical Engineering from Binghamton University in 2001. Dr. Nwanze stayed at Binghamton for his graduate work, earning his M.S. and Ph.D. in Electrical Engineering in 2005 and 2009. His dissertation title was

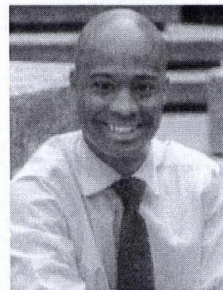
“Anomaly-Based Intrusion Detection Using Lightweight Stateless Payload Inspection. Since 2008, Dr. Nwanze has been at Vigilos, Inc. as a Project Manager developing security solutions for the enterprise physical security market.



Sadeaqua Scott earned her B.S. in Biology from Binghamton University in 2004 and is currently a Molecular and Cell Biology Ph.D. Candidate at SUNY Downstate Medical Center. Her career in science began when, as a sophomore student in high school, she was accepted into the Arthur Ashe Institute for Urban Health’s Health

Science Academy. While at BU, Sadeaqua participated in LSAMP and the McNair Scholars Program, conducting undergraduate research under the direction of Dr. Kathleen Horwath.

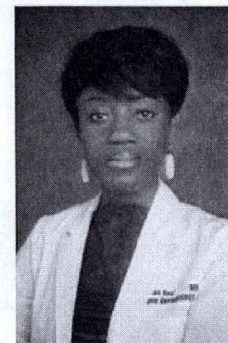
Dr. David Stubbs earned his B.S. in Biology from Binghamton University in December 2001. He attended New York University College of Dentistry on full scholarship, completing his D.D.S. in May 2008.



Dr. Stubbs is currently an intern at the advanced education program in Oral and Maxillofacial Surgery that is jointly administered by the Beth Israel Medical Center, Jacobi Medical Center, and Albert Einstein School of

Medicine.

Dr. Achiamah Osei-Tutu graduated from Binghamton University with a B.S. in Biology in May 1998. She received her M.D. from Stony Brook University School of Medicine in May 2005. During medical school, Dr. Osei-Tutu had the unique honor of being chosen as a Howard Hughes Medical Institute/ National Institutes of Health (NIH) Research Scholar. Dr. Osei-Tutu completed her



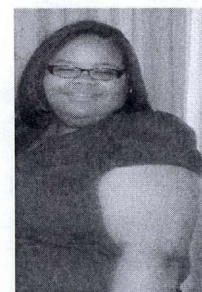
medicine internship at Mount Sinai Hospital and dermatology residency at the State University of New York Health Sciences Center in Brooklyn, where she was selected as Chief Resident in her final year. Dr. Tutu is a board-certified dermatologist specializing in medical, surgical and cosmetic skin care, an Associate Clinical Professor at St. Luke's Roosevelt Hospital, and the current instructor of the Dermatology Physical Diagnosis course at CUNY Sophie Davis School of Biomedical Education. She has authored/coauthored a number of academic publications.



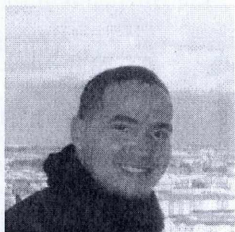
Saintedym Wills graduated from Binghamton University in May 2010 with her B.S. in Biological Sciences. In the summer of 2008 she took part in a Research Experience for Undergraduates at Carnegie-Mellon. Saintedym is currently a post baccalaureate researcher in the Bowers

Research Lab, Center for Neural Development and Disease at the University of Rochester Medical Center. She plans on applying to Ph.D. programs for Fall 2012 admission.

Charmaine Williams is a Biochemistry major at Binghamton University. She states that “being a part of the LSAMP program has been instrumental to my success as an undergraduate”. Through LSAMP she has had the opportunity to participate in three summer REU programs; at Rochester Institute of Technology, Brookhaven National Laboratory, and University of Alabama at Birmingham.



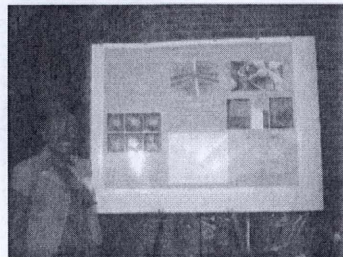
Charmaine plans on pursuing her Ph.D. in Chemistry or Biomedical Sciences and hopes to pursue a career as a Forensic Scientist.



Gustavo Abreu graduated from SUNY New Paltz with a B.S. in Computer Science in December 2004. He received an NSF CSEMS scholarship as an undergraduate. He worked on a research project in summer 2003 and summer 2004 titled, "*Evolutionary Music Composer*" which he presented several

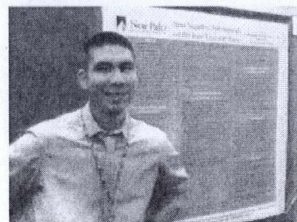
times. Gustavo was working for Goldman Sachs after graduation and is now with Barclays in NYC.

Elena Adjei graduated from SUNY New Paltz with a B.S. in



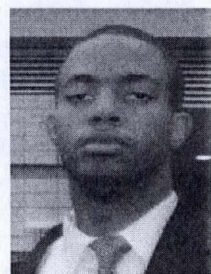
Biology in December 2008. She worked on two research projects, "*Isolation and Purification of DAD1 and DAD3*" and "*Recombinant expression of sub complexes of Candida albicans Kinetochore DASH Complexes*". She presented

the former at the SUNY New Paltz Student Research Symposium and the latter at the 2008 SUNY New Paltz LSAMP Summer Research Program and the 2008 McNair Conference in Niagara Falls. Elena entered Howard University in Fall 2009 and is working towards her PhD in Human Genetics.



Carlos Anglas is currently a senior at SUNY New Paltz. He is working towards his B.S. in Computer Engineering and planning to graduate in December 2013. He has worked on two research projects, "*Representations of Positive*

Polynomials in 1 and 2 Variables", which he presented at the 2011 Emerging Researchers National Conference in STEM, and "*Simulation and Experimental Analysis of Lithium Ion & Nickel Cadmium Batteries at Different Temperatures and Operational Behavior*", which he presented at SUNY New Paltz. After graduation Carlos plans to enter the workforce and pursue a master's degree in his field.



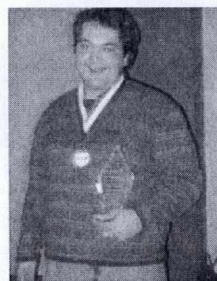
Richard Balmir received his B.S. in Engineering from SUNY New Paltz in 2006. Rich participated in NSBE and his team came in 4th place in the 2006 NSBE National Boeing Competition. He also participated in Inroads through which he had the opportunity to intern with Lockheed Martin and later secured employment with them in Syracuse, NY.



Stephanie Bonny graduated from SUNY New Paltz with a B.S. in Computer Engineering in December 2004. Stephanie worked on a research project in summer 2004 titled, "*Evolutionary Music Composer*". Stephanie began

working for Raytheon in Virginia after graduation. She is currently a Senior Application Support Engineer.

Tenee Brockington received her B.S. in Mathematics from SUNY New Paltz in 2006. She began working in Boston after graduation as an Actuarial Analyst for Liberty Mutual Group. Tenee currently resides in Seattle and is still an Actuarial Analyst for an LM subsidiary, Safeco Ins. Co., and has passed three actuarial exams for the Casualty Actuarial Society.



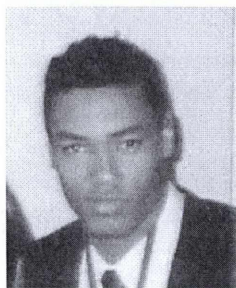
Christopher Cahn graduated from SUNY New Paltz with a B.S. in Biology in May 2010. He worked on a research project titled, "*Sub-cellular Localization of Oryza sativa Type B-Response Regulators*", at Dartmouth College and presented a poster at the 2009 Leadership Alliance National Symposium in Virginia and the 2009 SUNY New

Paltz Student Research Symposium. He received scholarships from LSAMP, the New Paltz Alumni Association and the New Paltz Biology Scholarship. After graduation he participated in the AGEP Competitive Edge Summer Program at UCSD. Chris began a PhD program in Molecular/Cellular Biology at UC San Diego in 2010.

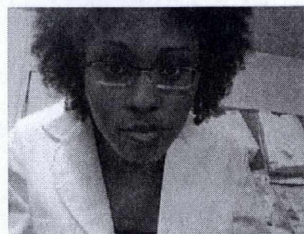


Tatiana Yeargin is currently a sophomore at SUNY New Paltz planning to major in Chemistry. She worked on the SHArK project from January through June of 2011 and is continuing during the fall 2011 semester. The Solar Hydrogen Activity Research Kit project is part of a larger NSF funded project, Powering

the Planet. Tatiana has presented her research a few times in the past year. After graduation she plans to attend law school and study Patent Law.



Smith Castillo received his B.S. in Computer Engineering from SUNY New Paltz in 2003. Smith received two scholarships from AC². He worked on two summer research projects as an undergraduate: one at New Paltz and one at MIT. Smith began working for Raytheon in Boston as an electrical engineer after graduation and then moved on to GE.



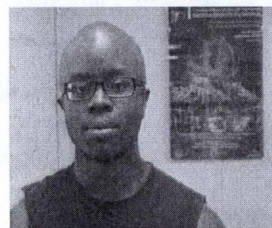
Sheena Henry is currently a senior Chemistry major at SUNY New Paltz expected to graduate in May 2012. She has participated in two research projects at SUNY New Paltz, “Crystallization of DASH Complex Proteins from

Candida albicans” and “Examining the Surface Chemistry of *Pseudomonas putida* by Atomic Force Microscopy”, and presented both in 2009 and 2011 respectively. She is continuing her research through the academic year.

Jenifer Duarte graduated from SUNY New Paltz with a B.S.

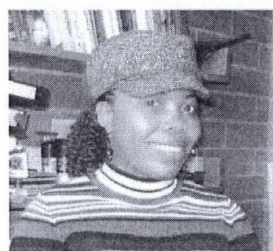


in Adolescent Education, Mathematics in 2011. Jenifer tutored for LSAMP, received two scholarships from the program and was involved with many extracurricular activities. Jenifer will begin her graduate studies at Teachers College of Columbia University in Fall 2011 pursuing a master’s in Instructional Technology and Media.



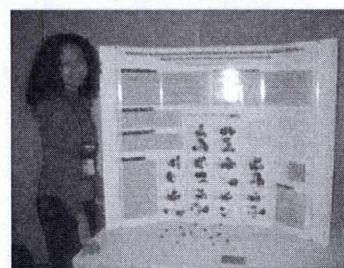
Jimi Hite is currently a senior Computer Science major at SUNY New Paltz expected to graduate in May 2012. He has worked at the college’s Student Computer Help Desk since his sophomore year. The summer after his sophomore year he created an Android app,

which he posted on the Android Market that let people see all the menu items of all the restaurants in New Paltz.



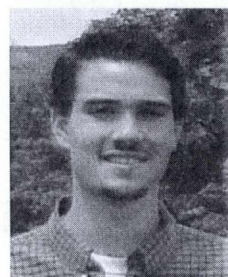
Clara Enuma received her B.S. in Electrical Engineering from SUNY New Paltz in May 2009. She was inducted into Eta Kappa Nu National Honor Society in 2009 and received scholarships from LSAMP and the New Paltz Multicultural Task Force. Clara worked on a computer science

research project for two summers and she participated in Inroads through which she received an internship with United Illuminating (UI) in Shelton, CT for two summers prior to graduation. Clara is currently employed at UI as an engineer.



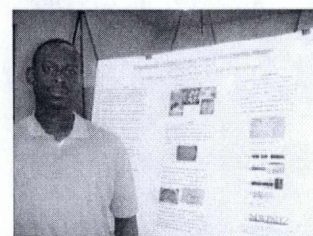
Rosmery Holguin-Prado graduated from SUNY New Paltz with a B.S. in Adolescent Education, Mathematics in December 2008. Rosmery participated in three research projects outside of her field: “Positivity of Polynomials” (Computer Science),

“Changes in Structure and Electron Density of Cadmium Sulfide Clusters With Zero to Four Organic Ligands Attached” (Physics), and “Bottled Water vs. Tap Water” (Geology). She received the Trjitzinsky Scholarship from the American Mathematical Society in Fall 2007 and the LSAMP Peer Mentor of the Year award in 2008. Rosmery currently teaches high school math at her former school, Flushing International High School, in Flushing, NY and is pursuing her master’s in Secondary Education Math at Queens College.



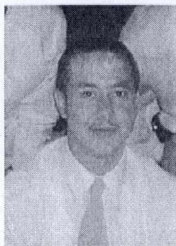
Julien Gago-Viel is currently a senior Chemistry major at SUNY New Paltz who transferred from SUNY Orange County Community College. He participated in two research projects in Summer 2011: “Interactions Between Oligonucleotides and Quaternary Ammonium Salts” which he presented at SUNY New Paltz and “Adopting

Orphan Nuclear Receptors” which he may continue working on through the academic year. Julien is expected to graduate in December 2012.



Richard Jean-Louis is currently a junior at SUNY New Paltz double majoring in Biology and Black Studies expecting to graduate in May 2013. After his sophomore year he worked on a biology project titled, “Crystallization

of DASH Complex Proteins from Candida albicans” which he presented several times. The following summer he worked on the NSF SHArK project, which is part of Powering the Planet, and which he presented at the end of the 2011 AC² Summer Research Program.



Gregory Jimenez received his B.S. in Electrical Engineering from SUNY New Paltz in December 2006. He worked on one spring research project and spent one summer at the Brookhaven National Laboratory for another research experience. Gregory went to work for GE in Schenectady as an electrical engineer after graduation and got his master's in engineering from RPI in 2010.



Sebastien Lafontant received his B.S. from SUNY New Paltz in Computer Engineer in May 2003. Sebastien received two scholarships from LSAMP. He participated in a co-op at IBM and currently works at IBM as a Hardware Designer in Endicott, NY. He completed a master's

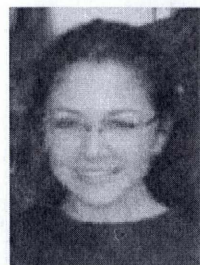
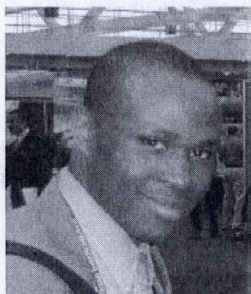
program in engineering at Clemson University in 2008.



Adebowale (Gabriel) Ogundimu graduated from SUNY New Paltz with a B.S. in Computer Engineering in May 2010. Gabriel was inducted into Eta Kappa Nu National Honor Society and received a scholarship from LSAMP in his senior year. He participated in Inroads which provided him with an internship at United

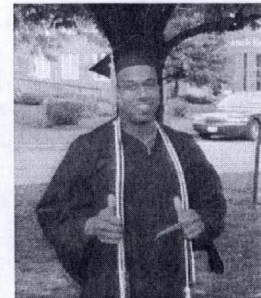
Illuminating in Shelton, CT leading to employment as a Competency Engineer. Gabriel is currently pursuing his MBA with a concentration in Finance at the University of New Haven.

Taiwo Osinowo received his B.S. in Electrical Engineering from SUNY New Paltz in August 2007. He was inducted into Chi Alpha Epsilon National Honor Society after his first year of college. He participated in Inroads through which he had the opportunity to intern with Northrop Grumman's Norden Systems in Norwalk, CT. After graduation Taiwo began working with Lockheed Martin's Systems Integration in Owego, NY and obtained a master's degree at SUNY Binghamton.



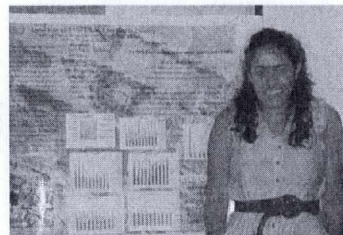
Alison Pletch is currently a senior Chemistry major at SUNY New Paltz expected to graduate in May 2012 with her second bachelor's degree. As president of the college's Chemistry Club she has successfully initiated a few new programs to help college students in and out of the classroom, and has created lesson plans to teach high school students in the New Paltz STEP. She is participating in an AYURE project during fall 2011 titled "*Fungicidal effects of Terminalia arjuna on Phytophthora*".

Kevin Purcell graduated from SUNY New Paltz with a B.S. in Biology and a B.A. in Black Studies in 2010. He received several scholarships during his undergraduate years from LSAMP, the Multicultural Recruitment Program, Omega Psi Phi fraternity, the Ronald McNair Scholarship, and the National Residence Life Honorary. Kevin is currently pursuing an M.S. in Physiology and Biophysics at Stony Brook University.



Raymond Ransome graduated from SUNY New Paltz with a B.S. in Math in 2006. Raymond worked on a research project titled, "*Autonomous Evolutionary Music Composer*" (Computer Engineering) which he presented at the 2003 CSTEP Conference and won 1st place for his poster. Raymond is currently employed at SUNY New Paltz with Computer Services and pursuing an M.S. in

Computer Science.



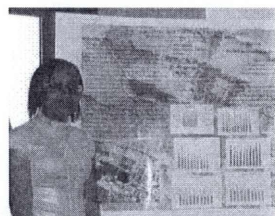
Destiny Rivera received her B.S. in Biology from SUNY New Paltz in December 2009. Destiny worked on two summer research projects: "*Land Use and the Impact on Water Quality*" (Geology) and "*Synthesis and Testing of Antimicrobial Activity of Monobactams*" (Chemistry) which she presented several times including the 2009 Albany AGEP Conference. Destiny currently works at Regeneron in Tarrytown, NY as a Lab Assistant.



Maria Rodolis graduated from New Paltz with a B.S. in Chemistry in 2010. Maria did research on “*Synthesis and Testing of Antimicrobial Activity of Monobactams*” (Chemistry) which she presented several times including the 2010 ACS

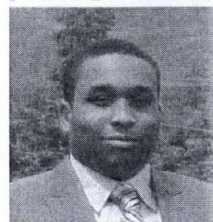
National Conference. She then worked at La Selva Biological Station in Costa Rica in summer 2009 on a project titled, “*An Investigation in the Vegetative Buds of Tectaria Lizarzburui at La Selva Biological Station, Costa Rica*” which she presented as at the 2009 LSAMP International Conference in Florida. She was the Keynote Speaker at the 2010 Mid-Hudson Regional CSTEP Conference. She was inducted into Chi Alpha Epsilon National Honor Society, served as vice president and president. She also received two LSAMP scholarships and the SUNY Chancellor’s Award for Student Excellence in 2010. She participated in the MHIRT program on a molecular biology and virology project at Centro de Biologia Molecular Severa Ochoa in Madrid Spain during the summer after she graduated. **Maria was awarded the NSFGRFP** and began her PhD program at the University of Warwick in the UK in Fall 2010. Just before she started her doctoral program she returned to New Paltz to present to program students about travel and research abroad

Tamara Simpson received her B.S. in Biology from New Paltz in 2009. Tamara worked on two research projects, “*Adopting Nuclear Receptors in Ciona Intestinalis*” (Biology) and “*Land Use and the Impact on Water Quality*” (Geology). Tamara is currently working at Pepsi Co. as a Lab Assistant in Purchase, NY.



Elcilia Taveras graduated from SUNY New Paltz with a B.S. in Elementary Education, Mathematics in May 2008. Upon graduation she secured a teaching position in New York City and then began a master’s program at CUNY Lehman College in Secondary Education, Mathematics which she will complete in May 2013.

Gary Toussaint is currently a senior at SUNY New Paltz pursuing his second bachelor’s degree in Computer Science and expected to graduate in December 2012. He is continuing a research project from the spring 2011 semester titled, “*Cubature Rules for the Line and Plane*” and continuing his summer 2011 research working on the NSF SHArK project, which is part of Powering the Planet, and which he presented at the end of the Summer Research Program. Gary is planning to either

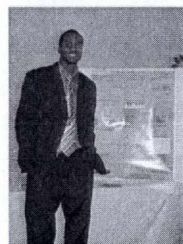
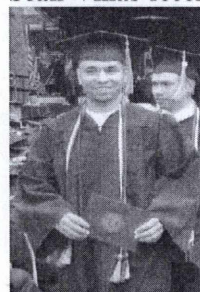


continue at SUNY New Paltz for a master’s degree or enter the workforce after graduation.

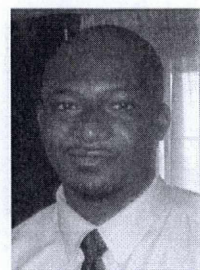
Vladimir Vanegas graduated from SUNY New Paltz with a B.S. in Computer Science in 2005. He worked on a research project which he presented a few times and he received an NSF CSEMS scholarship during his undergraduate years. Vladimir currently works for Lockheed Martin in Texas as a Computer Engineer.



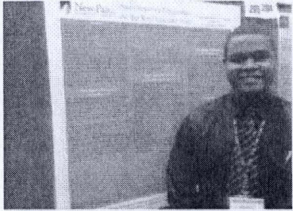
Sean Vinas received his B.S. in Electrical Engineering from SUNY New Paltz in 2009. Sean participated in NSBE and his team came in 4th place in the 2006 NSBE National Boeing Competition. He was inducted into Eta Kappa Nu National Honor Society in his junior year and received an LSAMP scholarship. He participated in Inroads through which he had the opportunity to intern at Lockheed Martin’s Maritime Systems and Sensors in Moorestown, NJ before accepting employment with Lockheed Martin’s Radar Systems in Moorestown, NJ. He is planning to pursue a master’s and is considering Financial Mathematics or Quantitative Finance.



Henry Wilson-Sowah transferred from Broome County Community College and graduated from SUNY New Paltz with a B.S. in Electrical Engineering in May 2010. Henry interned with Natural Current Power Generation the winter of his last year at New Paltz and is currently working as an engineer at Mercury Solar Systems in New Rochelle, NY.



Airrion Wisdom graduated from SUNY New Paltz with a B.S. in Computer Engineering in December 2007. Airrion worked on a research project in summer 2007, “*Autonomous Evolutionary Music Composer*”, which he presented at the 2008 CSTEP Conference and won 1st place for his poster. He also had an article published with his faculty mentor. Towards the end of his undergraduate years he was inducted into Eta Kappa Nu National Honor Society. Airrion is currently working in California as an engineer for Northrup Grumman.



Dwayne Woolward is currently a senior Electrical Engineering student at SUNY New Paltz. Dwayne has participated in two research projects: "*Representations of Positive Polynomials in 1 and 2 Variables*" which he presented at

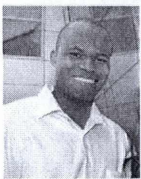
the 2011 Emerging Researchers National Conference in STEM, and "*Simulation and Experimental Analysis of Lithium Ion & Nickel Cadmium Batteries at Different Temperatures and Operational Behavior*", which he presented at SUNY New Paltz. Dwayne is expected to graduate in May 2012 and planning to attend graduate school.



German Flete earned a B.S. in Computer Science from Old Westbury in 2007. After graduation, he was hired by Brookhaven National Labs (BNL) where he had interned during his senior year through an arrangement between the LSAMP program and BNL.

German, currently employed as a senior applications analyst at BNL, was honored with a BNL Spotlight Award during the 2008 fiscal year for extending "extraordinary efforts in response to the needs of their departments or divisions." He has returned to his alma mater to present at the annual SUNY Old Westbury STEP Career Day representing occupations in the computer science field.

(pictured between Rosa Palmore, BNL Diversity Coordinator and Dr. Henry Teoh, Old Westbury LSAMP Program Director).



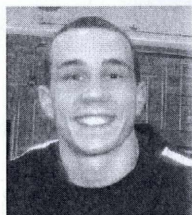
Courtney Patterson earned a B.S. in Computer Science from Old Westbury in 2002. During his senior year, he interned at BNL through their Educational Program Office. After graduation he was hired as a full-time employee in the Information

Management Division and completed a stint in Vienna, Austria working for the International Atomic Energy Agency on behalf of BNL "All the benefits at the Lab are fantastic, but the educational benefits are what we appreciate the most," said Courtney. "We feel lucky to be working at a world-class facility that promotes higher education and ingenuity." Courtney has been accepted in the Ph.D. program in Computer Science at Stony Brook.

As an undergraduate math major at Old Westbury **Ninette Perez** was actively involved in mentoring and academic coaching. A counselor for the STEP secondary school program, she was involved in collegiate peer tutoring in the campus Mathematics Learning Center. In her junior year, Ninette conducted research in computational chemistry, computing energy levels of carbon atoms and graphing

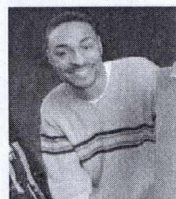


data to interpret calculations. In 2007, Ninette graduated from Old Westbury with a B.S. in math, followed by graduate study at Fordham University, Graduate School of Education where she earned an MS in Teaching Adolescence Mathematics 7-12. She currently teaches high school algebra and geometry in New York City



Brian Smith graduated in May 2008 from Old Westbury with a B.S. Biochemistry. He acquired NY State certification in secondary science education the following year. In 2010, he earned an M.A. in secondary science education (chemistry). Brian has peer tutored UREP students in biology at Old

Westbury and has been a mentor for the high school STEP Saturday program as well. He is currently a substitute teacher in various Long Island school districts.



While Old Westbury graduate, **Deon Lee**, spends most of his time configuring and installing software at Brookhaven National Laboratory, in his personal life, his passion is drawing. Lee loves art and painting, but he knew that a career in computer science would be more realistic. He pursued a

degree in computer science with a minor in visual arts. Lee was hired part-time as a student assistant to work in BNL's Information Technology Division through LSAMP. After graduating with a B.S. in computer science, Lee was hired as a customer support analyst in the Internet Technology Division at BNL. Now, in addition to his work, Lee also does freelance graphics designing and website development. "I feel lucky that I can incorporate my love of art with my interest in computing," says Lee.



Brenda Marmol graduated from Old Westbury in May 2009 with a B.S. in biological sciences. Her poster presentation, "An Electron Paramagnetic Resonance (EPR) Study of Metal-Site Dynamics in Amino Acids: Copper Hopping in Cd-Histidine Crystals." was a second place winner in the Physical Science

category at the annual 2008 CSTEP Conference. That same year, she also participated in the Annual Biomedical Research Conference for Minority Students (ABRCMS), Brenda recently earned her M.S. at L.I. University.



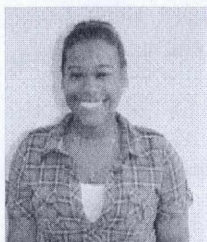
Warlyn Reyes graduated Old Westbury in 2003 with a B.S. in computer science. Currently a technology specialist /SMS administrator in the Instrumentation Division and a SMS engineer at BNL, his relationship with BNL began with an internship during his senior year arranged by the Old Westbury

LSAMP/CSTEP program director and the BNL diversity officer. Upon graduation he joined the Internet Technology Department. In 2006, BNL honored Warlyn with a Spotlight Award for "extending extraordinary efforts in response to the needs of the Instrumentation Division."



Ronald McHenry graduated in 2010 with a B.S. in Biological Sciences. Ronald conducted research on Identification of Novel CTX-M Extended Spectrum Beta-Lactamases in Escherichia coli Clinical Isolates. During that same year, he was honored for his research presentation at the

Annual Biomedical Research Conference for Minority Students. (ABRCMS). During the summer of 2009, Ronald traveled to Madrid, Spain through the MARC program. There at El Instituto de Fermentaciones Industriales, he conducted supervised research based on campylobacter. In the fall of 2010, Ronald presented a poster of his research at the AMP Urban University Conference at Brookhaven National Laboratory.



Clarissa Martinez graduated in 2011 with a B.S. in biological sciences. A commuting student who wanted to become involved in student life, she ran successfully for the position of representative to commuters in the Student Government Association. Senior year Clarissa attended summer research abroad supported by the Old Westbury Neuroscience International Program. During the fall semester, she presented research at ABRCMS. In February 2011, she presented at the 2011 ERN Conference in STEM. In April, she earned 1st place in the Natural Sciences category at the CSTEP Annual Conference for her supervised research presentation, "Detection of CTX-M-15 Extended Spectrum b-Lactamases in Clinical Isolates of *Escherichia coli* from the Community."



Alicia Bowen graduated from Old Westbury in 2009 with a B.S. in biochemistry. She credits programs such as LSAMP with "propelling her through undergrad" and into the place she is today: currently a third-year graduate student and PhD Candidate in the Department of Chemistry and Biochemistry at The University of Maryland at College Park. Alicia anticipates completion of her studies in 2014. While a student at Old Westbury, she did research fellowships at Yale University and El Instituto de Fermentaciones Industriales (IFI) in Madrid, Spain. She also conducted research at SUNY Old Westbury and received the 2009 Undergraduate Award in Inorganic Chemistry from the American Chemical Society (ACS). Alicia says "While dealing with the struggles of adjusting to life as an undergraduate student, I also had to work multiple jobs to pay for my education. The LSAMP book vouchers I received each semester were integral to my success. Without this extra support, my undergraduate career would have been far more stressful. Additionally, the program staff was so supportive and eventually became like a second family. They understood my unique situation and helped me make informed decisions about my future." When she entered college, Alicia says that she had aspirations of becoming a medical doctor. She attributes the experiences that she was afforded as an LSAMP student, with solidifying her desire to attend graduate school. "Seminars about graduate school allowed students to make informed decisions about their future plans. It was through these seminars that I learned about the benefits of graduate school as well as the application process. Without the help of the AMP programs and outstanding staff, I can honestly say that I would not be in the position I am today."



Jessica Ennist is a 2010 graduate of Old Westbury and currently a second year doctoral student with a full fellowship in chemistry and biochemistry department at Montana State. There she is conducting research focused on the role of protein-carbohydrate interactions in cancer cellular metastasis. She credits the LSAMP program with creating an environment that inspired her to "enlarge her dreams and goals." Jessica transferred to Old Westbury in the fall of 2008. Struggling with normal challenges and fears of moving into a new area she contemplated moving back upstate. The support

system provided by LSAMP convinced her to remain at Old Westbury where she availed herself of many opportunities including undergraduate research, peer tutoring and mentorship of a high school student. "I received book vouchers each year, attended educational workshops that broadened my knowledge of graduate and professional opportunities, helped me to maximize my experience in school, and enabled me to plan for entry into graduate programs, apply for internships and research opportunities. (Presenting my research at conferences) helped prepare me for teaching undergraduate labs by developing confidence and communication skills in presenting core ideas." Jessica says that she is forever grateful for the program which has given her so many tools, skills, and experiences that have contributed to truly setting her feet on her given path and have given her the opportunities that have opened the door to graduate school.

Diana Pedroza (pictured right) graduated in 2010 from SUNY Old Westbury with a B.S. in biological sciences. With support from LSAMP, she presented research, "Extracellular Superoxide Regulates the Signal Transduction and Transcriptional Induction Mediated By Vascular Growth Factor 1 (VEGFR1) Receptor" in the Annual Biomedical Research Conference for Minority Students (ABRCMS) in 2008 as well as OWNIP - MHIRT Summer Research in 2010.

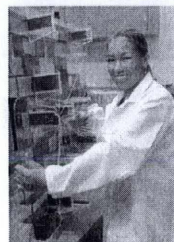


Jaleesa Gilbert graduated in May 2011 from SUNY College Old Westbury with a B.S. in biological sciences. LSAMP support contributed to her to participation in the Old Westbury Neuroscience International Program, summer 2010.



Camille Warner will graduate from Old Westbury in 2012 with a B.S. in biological sciences. With LSAMP support she presented at ABRCMS in 2010, conducted research abroad through Old Westbury Neuroscience International Program during summer 2010. She has participated as an LSAMP mentor to middle and high school students during summers and the academic year and has assisted office program staff for three years.

Diana Carolina Quinones graduated in 2008 from Old Westbury with a B.S. in biological sciences. In 2007, she was a participant in the Summer Student Program of NIA Intramural Research Program where she worked in the Laboratory of Experimental Gerontology. In 2008, she participated in both the ABRCMS and MARC Programs

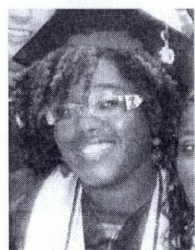




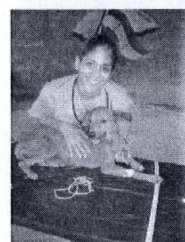
Kimberly Burke graduated May 2009 with a B.S. in biochemistry. She was an award winner in the microbiological sciences category at ABRCMS in fall 2008 for her poster presentation, "Identification and Contribution of Outer Membrane Porin Proteins to Carbapenem Resistance in Carbapenem-Resistant *Klebsiella pneumoniae* and *Escherichia coli* Clinical Isolates" where she described the results of her research. She also presented research at the 2009 CSTEP Annual Conference.



Itisha S. Jefferson completed her freshman and sophomore years at Old Westbury. The summer following her sophomore year, she was a SUNY Downstate Medical Center Summer Research Scholar. That fall, she transferred to Spelman, from which she graduated, cum laude with departmental honors and a B.S. in chemistry. She is currently a *J. William Fulbright* English Teaching Assistant Scholar in South Korea.

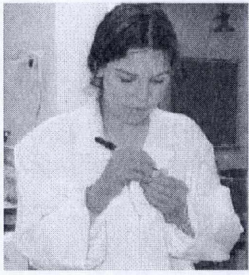


Sybil Andrieux graduated in 2010 from Old Westbury with a B.S. in biological sciences. She has participated in the following research programs at the undergraduate level: (MHIRT) Minority and Health Disparities International Research Training Program, France ; Researcher Honors Undergraduate Research Training Program (COR) Career Opportunities in Research Old Westbury; Research Experience for Undergraduates in Animal Behavior at Indiana University Bloomington, Ind. During her years at Old Westbury, Sybil received several awards including: Academic Achievement in Research Honors Award at SUNY College Old Westbury graduation; Northeast Regional Undergraduate and Graduate student Sigma Xi Poster Conference winner of outstanding Poster award, As an undergraduate, she engaged in two internships: one at Brookhaven National Laboratory, and one at SUNY College of Optometry in Manhattan. as in undergraduate as well as at Since graduation Sybil has been named a GRAD-PREP Scholar at Wright State University where she is a graduate researcher in Pharmacology and Toxicology.

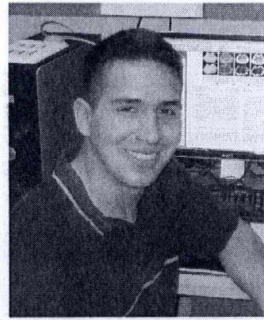


Melissa Colon graduated with a B.S. in biological sciences from Old Westbury in 2007, and is currently in her clinical and final year, of veterinary school at Tufts Cummings School of Veterinary Medicine. At the end of her senior year, she was awarded the Outstanding Achievement Award from the Polytechnic Sigma Xi Chapter. After graduation, she completed three years at Ross University and plans to undertake an additional one year internship upon completion of the clinical year focusing on small animal general medicine and exotics. During her veterinarian education, Melissa participated in a

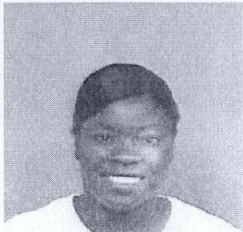
volunteer program (VIDA) in Nicaragua and Honduras. She says that it was a great experience because she was able to teach people about animal care and to provide free medical attention and castration for their pets. "Not only did I help animals that I set out to assist", she says, "but I also learned a great deal from my interactions with people."



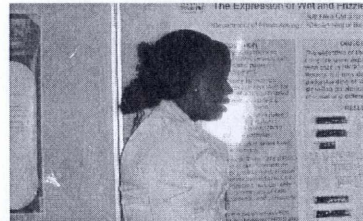
Georgina Bermudez received her bachelor's degree in Biomedical Engineering from Stony Brook University in 2004, and she participated in the Science Undergraduate Laboratory Internships (SULI) program at BNL. She was accepted into a PhD program in Biomedical Engineering from the City College of New York and has received a Master's degree from that institution.



Michael Scheid received his bachelor's degree in Biomedical Engineering from Stony Brook University in 2010. He received MARC (Minority Access to Research Careers) and New York Space Grant awards. He is currently pursuing a PhD in Biomedical Engineering at Northwestern University.

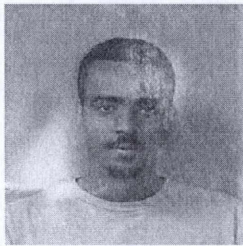


Alicia Lawson graduated in 2004 with a bachelor's degree in Applied Math. She received a master's degree at Stony Brook University and is now a math instructor in Kingsborough Community College.

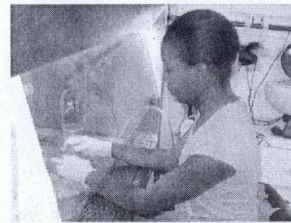


Cynthia Okoye graduated with a bachelor's degree in Pharmacology from Stony Brook University in 2008. She received a MARC (Minority Access to Research Careers)

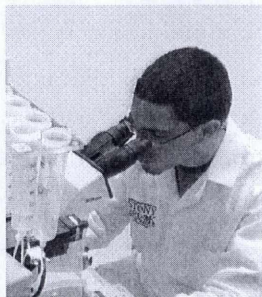
award and is currently pursuing an MD/PhD at Albert Einstein School of Medicine.



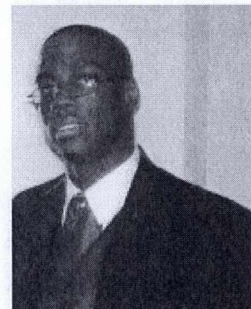
Yared Alemu graduated in 2005 with a bachelor's degree in Electrical Engineering. He also received an NSF Science, Technology, Engineering and Math scholarship. He has completed a PhD in Electrical Engineering at Stony Brook University.



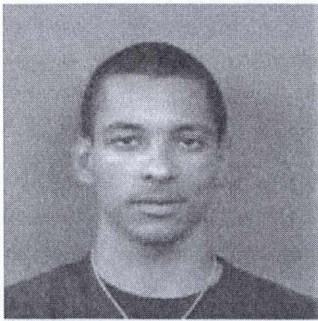
Dr. Mary Osisami graduated with a bachelor's degree in Biochemistry from Stony Brook University in 2006. She received a Turner fellowship and completed a PhD in Genetics at Stony Brook University in 2011.



Sandy Hernandez received his bachelor's degree from Stony Brook University in 2010 in Biomedical Engineering. He received MARC (Minority Access to Research Careers) and S-STEM (Scholarships in Science, Technology, Engineering and Mathematics) awards in addition to a research internship under the New York Space Grant. He most recently received an NIH fellowship.



Kenzley Alphonse received his bachelor's degree in Computer Science from Stony Brook University in 2009. He later received his master's in Computer Science and is now working for the Internal Revenue Service.



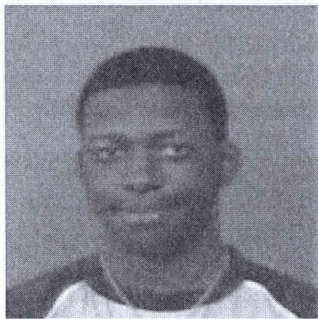
Jean Christian Brutus received his bachelor's degree in Mechanical Engineering from Stony Brook University in 2008 and continued on to receive his master's degree. He participated in the Science Undergraduate Laboratory Internships (SULI) program at Brookhaven National Laboratory and also received a

Turner fellowship. He plans on an engineering career in the construction industry.



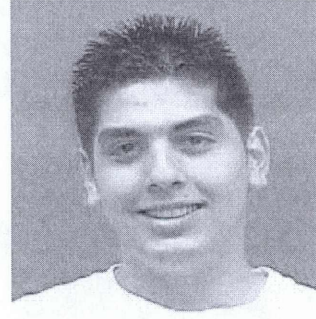
Shelanda Clarke received her bachelor's degree in Electrical Engineering from Stony Brook University in 2006. She was awarded an NSF Scholarship in Science, Technology, Engineering and Math and completed her master's degree at CW Post. She is currently an engineer for the Metropolitan Transit Authority

in Boston, MA.



Andre Hamilton received his double major bachelor's degree in Computer Science/Physics from Stony Brook University in 2010 and also completed his master's degree. He participated in the Science Undergraduate Laboratory Internships (SULI) program at Brookhaven National Laboratory and also

received a New York State Underrepresented Graduate (Turner) fellowship. He will be working for the U.S. Government.



Michael Espinoza received his bachelor's degree in Mechanical Engineering from Stony Brook University in 2010 and went on to complete his master's degree at Stony Brook. In addition to an NSF Scholarship in Science, Technology, Engineering and Math, he participated in the Science Undergraduate

Laboratory Internships (SULI) program at Brookhaven National Laboratory and also received a New York State Underrepresented Graduate (Turner) Fellowship. He is currently an engineer at United Technologies.



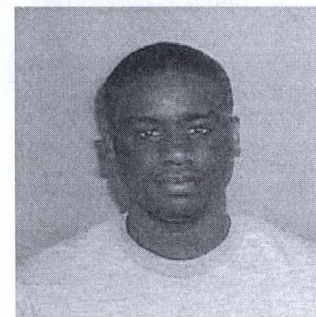
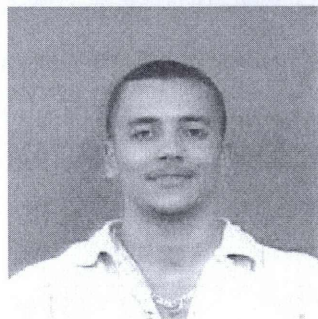
Eric Alvarez received his bachelor's degree in Mechanical Engineering from Stony Brook University in 2003. He is now a member of the United States Air Force.



Ramon Fernandez received his bachelor's degree in Applied Math and Spanish Literature in 2009 and completed his master's degree in Spanish Literature at Stony Brook University. He participated in the Science Undergraduate Laboratory Internships (SULI) program at Brookhaven National

Laboratory and received a Turner fellowship. He is currently pursuing his Ph.D. at Stony Brook in Technology, Policy and Innovation in the Department of Technology and Society.

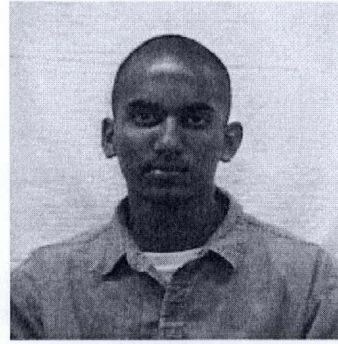
Jean Robert Brutus received his bachelor's degree in Mechanical Engineering from Stony Brook University in 2006. He participated in the Science Undergraduate Laboratory Internships (SULI) program at Brookhaven National Laboratory and is now an engineer in the United States Army RDECOM.



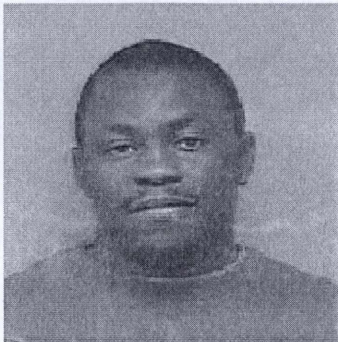
Dr. Wesley Francillion received his bachelor's degree in Engineering Science in 2002 and continued on to receive his PhD from Stony Brook University. He is now a community college administrator in Connecticut.



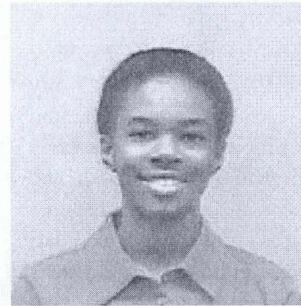
Latosha Frink received her bachelor's degree in 2003 and her master's degree in Applied Mathematics from Stony Brook University. She is now employed by the National Institutes of Health in Washington, DC.



Arindel Maharaj received his bachelor's degree in Biochemistry from Stony Brook University in 2001. He also received a Minority Access to Research Careers award. He is currently pursuing his MD/PhD at Harvard University.

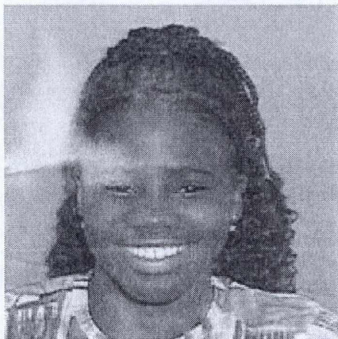


Oral Grant received his bachelor's degree in 2004 and his master's degree in Applied Mathematics from Stony Brook University. He is now a high school Mathematics teacher.



Rachel Millings received her bachelor's degree in Mathematics from Stony Brook University in 2009. She was awarded an NSF Scholarship in Science, Technology, Engineering and Math, and she participated in the Science Undergraduate Laboratory Internships program at Brookhaven National Laboratory. She is currently pursuing her PhD in Operations Research at UC Berkeley.

She is currently pursuing her PhD in Operations Research at UC Berkeley.



Blessing Igboeli received her bachelor's degree in Biomedical Engineering from Stony Brook University in 2004. She received an NIH Minority Access to Research Careers award and was also a Fullbright scholar. She is now pursuing an MD/Ph.D. at Case Western Reserve.

She was also a recipient of a Fullbright fellowship.

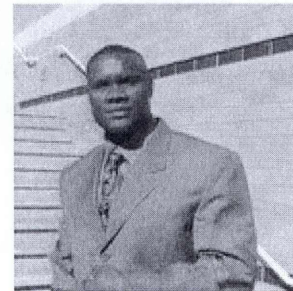


Elizabeth Millings received her bachelor's degree in Chemistry from Stony Brook University in 2010. She received an NSF Scholarship in Science, Technology, Engineering and Math in addition to receiving a Merck scholarship and an NSF Graduate Research Fellowship in 2011. She is currently pursuing her PhD at Columbia University.

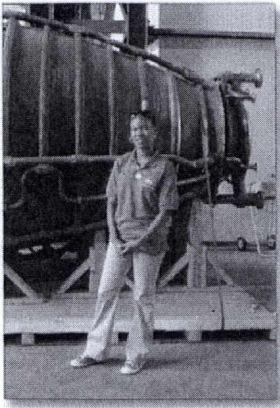
Columbia University.



David Lugo received his Mechanical Engineering degree from Stony Brook University in 2001 followed by his masters in Business Administration from Brooklyn College. He is now an engineer working for Con Edison of New York.



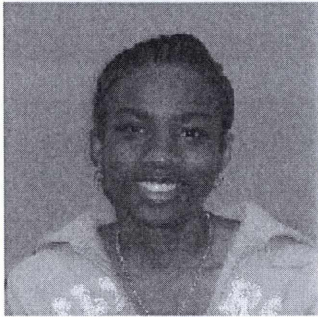
Heine Nzumafo received his degree in Electrical Engineering from Stony Brook University in 2001. After graduation, he served in the United States Army Signal Corps. He is currently the CEO of Playmobile, a company in Virginia.



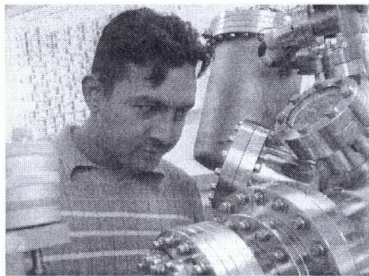
Sabrina Thompson received her bachelor's degree in Mechanical Engineering from Stony Brook University in 2005 and her master's degree in Aeronautical Engineering from Georgia Institute of Technology. She also participated in the Science Undergraduate Laboratory Internships (SULI) program at Brookhaven National Laboratory. She is currently working for NASA at the Goddard Space Center.



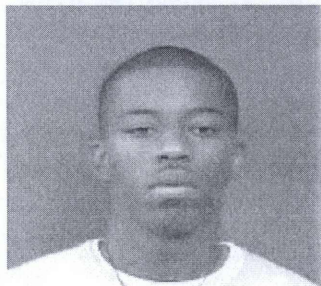
Dr. Melody Goodman earned a bachelor's degree in applied mathematics and statistics and economics from Stony Brook in 1999. She went on to participate in the Minority Biomedical Research Support program at the Harvard School of Public Health, earning a master's degree in biostatistics in 2003. During her graduate studies, Goodman received an NIH Minority Predoctoral Fellowship from the National Institute of Child Health and Human Development. She earned a Ph.D. in biostatistics at Harvard University in 2006 and went on to become an assistant professor of preventive medicine and director of the Center for Public Health and Health Policy Research at Stony Brook University. Currently, Goodman is an assistant professor in the Division of Public Health Sciences, Department of Surgery, at the Washington University School of Medicine.



Kimberley Tomlinson received her bachelor's degree in Electrical Engineering from Stony Brook University in 2011, and she received an NSF Scholarship in Science, Technology, Engineering and Math. She is currently an engineer at NAVAIR.



Marvin Vasquez received his bachelor's degree in Engineering Science from Stony Brook University in 1999 and completed his Ph.D. from Stony Brook. He is currently working as a researcher for the Department of Defense.

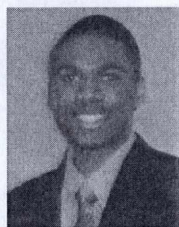


Jelanie Wilshire received his bachelor's degree in Applied Math and Statistics at Stony Brook University in 2005. He recently completed his PhD in Applied Math at the University of Florida.



Francis Adams plans to pursue a combined MD/PhD program following graduation from the University at Albany. He hopes to practice General Internal Medicine and engage in research which focuses on finding inexpensive and affordable drugs to cure tropical diseases like malaria. Francis

also expresses a great desire to work with the World Health Organization, to provide leadership on global health matters by helping to establish norms and standards that shape health research all over the world.



Giovanni Destin graduated from the University at Albany in May 2011 with a Bachelor of Science in Biology. He plans to continue his education in graduate school in order to teach Biology at the secondary school level and possibly collegiate level. In 2009 he conducted research on the topic

“The Effect of Tetrac on the Uptake of Doxorubicin in MCF-7 Doxorubicin resistant Cells.” He expressed that the opportunity to perform research was profound and opened his eyes to new career possibilities.



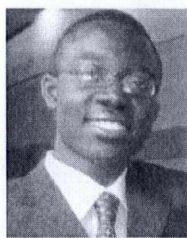
Christine Joseph graduated from the University at Albany in the Spring 2009 and looks forward to pursuing a master’s in Psychology and then a MD/PhD degree in Neuroscience. Her ultimate goal is to help bridge the gap between the biological and psychological aspects of human

behavior and making a major impact in the science community. Christine is currently enrolled in a graduate program at Emory University



Francelina Morillo completed her Bachelor of Science in Biology with a second major in Psychology. She would describe herself as “focused, determined, and motivated.” She performed research with Dr. Jeanette Altarriba for 3 years. Her mentor inspired her to pursue an MD/PhD in the area of neuroscience. She

hopes to understand the complex mechanisms that lead to degenerative diseases.



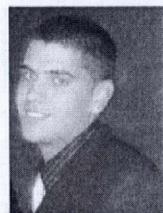
Godfred Asa-Ntow graduated from the University at Albany with a Bachelor of Science in Chemistry and minor Biology. Godfred conducted research at the University at Albany under the mentorship of Dr. Kurt McKean. During his eight week research program his study looked at the fruit fly *Drosophila melanogaster* and

how its immune system combat diseases and infections. His ultimate goal is to earn an MD/PhD. Eventually he hopes to become a philanthropist, giving underprivileged kids a chance to succeed.



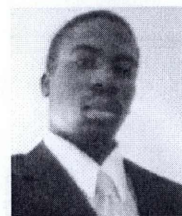
Illorna Brew always expressed interest in pursuing an MD, but the past summer’s internship opened her eyes to research and doctoral studies. She is now interested in pursuing her MD/PhD after acquiring her Bachelor of Science in Biology. She is hoping to work with groups like “Doctors

without Borders” and travel to developing countries (especially in Africa) to provide people with medical aid.



Sanajay Sekar graduated from the University at Albany in 2010 with a Bachelor of Science in Biology and minor Chemistry. Sanjay was mentored by Dr. John Welch of the Chemistry Department. His conducted research on the Synthesis of Fluorinated Amino Acids Using Pentafluorosulfanyl

Aldehydes. His ultimate goal is to continue research at the University at Albany, and one day pursue an MD/PhD program.

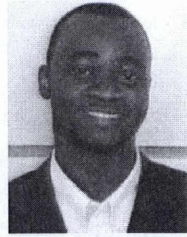


Raphael Thomas graduated from the University at Albany with Bachelor of Science in Physics with a minor in Mathematics. He conducted research with Dr. Dhruva J. Bharali and Dr. Shaker A. Mousa of the Pharmaceutical Research Institute. His study examined the recent

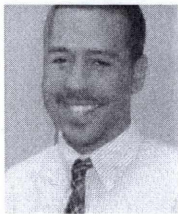
advancement of nanotechnology particularly, in cancer treatment. His future career goal is to obtain a master’s degree in Biomedical Engineering ultimately obtain his PhD.



Sonya Guerrero-Corley graduated from the University at Albany in May 2010 with a Bachelor of Science in Human Biology. She is currently working on her Master's in Public Health from the University at Albany and will be graduating this coming December. Sonya is also currently working as an intern at the New York State Department of Health Office of Minority Health. Long term Sonya would like to step out and find a job with a nonprofit organization focusing on family and community health. Sonya states that LSAMP, CSTEP, and EOP allowed her to earn a quality education. She is so grateful to be a part of these programs because, "I have been able to grow as an individual and accomplish many goals."



Adedoyin Adebogun conducted research at the University at Albany investigating the development of HIV-1 nucleocapsidprotein inhibitors under the mentorship of Rabi Musah, Ph.D. His future plans include pursuing a career in the pharmaceutical sciences and becoming involved in developing and designing new drugs for diseases. His research experience added to his interest in this field.



Xavier Alomia graduated from the University at Albany in May 2011 with a Bachelor of Science in Mathematics. He is currently in the process of pursuing a doctorate in Applied Mathematics, and plans to focus on the area of biostatistics. Xavier's goal is to earn his doctorate within the next 4 years so that he I can continue performing research and make a significant contribution to field of biostatistics.



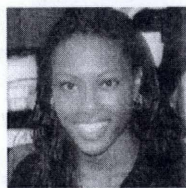
Rose Destin graduated with a Bachelor of Science in Biology and conducted research entitled "Chemical Dependency Rehabilitation Program Outcome Monitoring" under the mentorship of Paul Postiglione at the Stratton Veteran Administration Medical Center. She has since completed her doctorate in Physical Therapy and serves in a clinic in Pennsylvania.



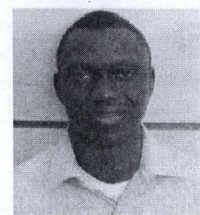
Karen Torrejon is a doctoral level graduate student at the College of Nanoscale Sciences and Engineering at the University at Albany. Her field of research is nanomedicine, specifically using nanotechnology as a tool to bioengineer a novel model for the screening of glaucoma. She will be submitting her first grant proposal and second peer reviewed publication by this winter.



Mary V. Graham conducted research entitled "Density Functional Studies with Spintronics and Molecular Electronics" in the University at Albany College of Nanoscale Science and Engineering. She has since matriculated in CNSE doctoral studies program and plans to complete her Ph.D. in nanoscience and nanoengineering; eventually, after gaining years of industrial experience, she would like to end her career as a tenured professor at an accredited research university.



Ashley Davis expressed how the Ronald E. McNair and LSAMP programs played a pivotal role in her life by introducing her to public health and research. She received her MPH in 2010 from Georgia State University and has plans to continue on and obtain her doctorate in public health. She states, "Were it not for these programs I would not be poised to be the professional I am today."

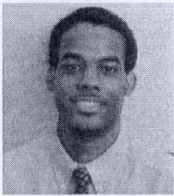


Alex Logono conducted research entitled "Genetics of West Nile Virus Infection of Insect Hosts." His future plans include studying the suitability of using transgenic flies for large-scale genetic screens to identify the gene important for West Nile Virus proliferation in insect hosts.



Edmond Obeng-Gyimah conducted research entitled “Biochemical Characterization of Human Rad52 Protein” under the mentorship of Ravindra Gupta, Ph.D. He graduated from the University at Albany with a BS in Biochemistry/Molecular Biology and Chemistry. He is a recent Albert Einstein

Medical School graduate and is currently doing his residency in New York. It is Edmond’s hope to assist in developing drugs to combat top killers, such as cardiovascular disease and cancer.



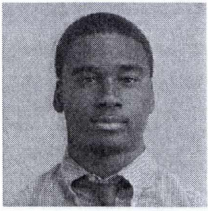
O’Neal Severin conducted research entitled “Cloning and Expression of a Unique Homing Endonuclease from cyanophage S-PM2.” His plans upon graduation include attending graduate school and pursuing his Ph.D. in pharmacology. He hopes to use his acquired research skills and knowledge to

help combat major diseases.

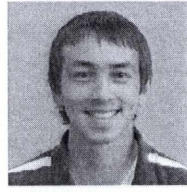


Georgina Torchon performed research entitled “The Emergence of a New Regional Innovation Model: The College of Nanoscale Science and Engineering.” The study examined the role the College of Nanoscale Science and Engineering has played in regional economic growth through a new

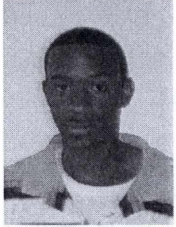
paradigm in industrial collaboration. Her future career plans include further research opportunities as well to enter the area of actuarial sciences.



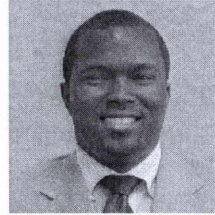
Derek Brim is currently enrolled as a junior in the Electrical Engineering Dept. at UB. He has been mentored by Dr. Jennifer Zirnheld, Electrical Engineering Dept. as a research intern for the past two years. His research topic involved the analysis of non-rechargeable electrochemical cells. In addition, he is a member of IEEE, NSBE and the UB varsity football team.



Joseph Diehl is currently enrolled as a senior in the Civil Engineering Dept. at UB. He has been mentored Dr. Gilberto Mosqueda, Civil Engineering Dept. as a research intern for the past two years. His research entailed investigating the performance limit states of seismically isolated buildings with elastomeric bearings.



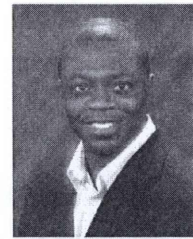
Kevin Bryant graduated from UB with a B.S. in Electrical Engineering in June 2009 (Summa Cum Laude). He recently earned his M.S. in Electrical Engineering in June 2011 from UB. During his undergraduate years as a research intern, he was mentored by Dr. Jonathan Bird, Electrical Engineering Dept. His research entailed working on techniques of semiconductor micro-fabrication and their application in the realization of semiconductor nano devices.



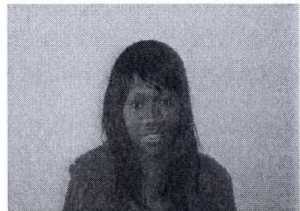
Ian Duncan graduated from UB with a B.S. in Mechanical Engineering in Sept. 2011. He was mentored as a research intern by Dr. Kevin Hulme and Dr. Kemper Lewis, New York State Center for Engineering Design and Industrial Innovation. His research involved participating in the development and operation of dashboard modeling a speedometer and tachometer. He won 2nd place for Technical Research Exhibit Oral/Poster Presentation at NSBE Region I Conference. He was admitted to the M.S. in Mechanical Engineering program at UB for Fall 2011.



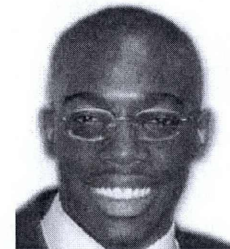
Anny Caceres graduated from UB with a B.S. in Pharmacology and Toxicology in June 2010 (Summa Cum Luade). She was mentored by Dr. Richard Rabin, Pharmacology and Toxicology Dept. as an undergraduate research intern. Her research involved investigating interactions between ethanol and the activities of neuronal functions. She is currently enrolled in the PhD. Program in Pharmacology at the University of Pittsburgh.



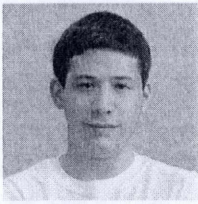
Dr. Folarin Erogbogbo graduated from UB with a B.S. in Chemical Engineering in September 2004 and earned his PhD in Chemical Engineering from UB in June 2009 funded by the NSF IGERT Program. His graduate research topic was entitled "Silicon Nanocrystals and Biophotonic Applications Thereof". He is currently employed at UB as a Research Assistant Professor at the Institute for Lasers, Photonics and Biophotonics and serves as a mentor for several LSAMP research interns and instructor for LSAMP/CSTEP Summer Research Program's "Research Methods" course.



Brianna Clark graduated from UB with a B.S. in Electrical Engineering in June 2010 (Cum Laude). She was mentored as a research intern by Dr. Jennifer Zirnheld, Electrical Engineering Dept./Energy Systems Institute. Her research focused on signal processing which is used in many electrical devices. She is currently employed with National Grid as an Associate Engineer in Distribution Planning. She is currently enrolled at Worcester Polytechnic Institute in the M.Eng. Electrical Engineering program.

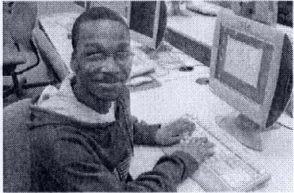


Mark Glasgow graduated from the University at Buffalo with a B.S. in Biotechnology in June 2009. He was mentored by Dr. Kate Rittenhouse-Olsen, Biotechnology Dept. as a research intern. His research entailed investigating the production and purification of monoclonal anti-bodies. He recently earned his M.S. Public Health in June 2011.



Ron Heichman graduated from the University at Buffalo with a B.S. in Aerospace and Mechanical Engineering in June 2011 (Cum Laude). He was mentored by Dr. Puneet Singa, Mechanical and Aerospace Engineering Dept. as an undergraduate research intern.

His research involved studying the kinematics and dynamics of UAV's to derive a mathematical model describing the position of each helicopter with respect to the chief helicopter. He served as SHPE President/Technical Liaison (2009-2011). Currently enrolled at UB in the Aerospace PhD program for Fall 2011.



Aggrey Jacobs graduated from the University at Buffalo with B.S. in Computer Engineering and Electrical Engineering in June 2009 (Cum Laude). He was mentored by Dr. Ram Sridhar, Computer Science and

Engineering Dept. as an undergraduate research intern. Likewise, he earned his M.S. in Electrical and Computer Engineering from Stony Brook University at Buffalo in June 2011. He was awarded the NSF funded SUNY LSAMP BD Fellowship while attending Stony Brook. He recently enrolled in PhD Program in Computer Science at the UB for Fall 2011 where he was awarded the Homeland Security Fellowship to support his doctoral studies.



Anne-Marsha Joseph graduated from the University at Buffalo with B.S. in Aerospace and Mechanical Engineering in June 2009. She was mentored by Dr. John Crassidis, Mechanical and Mechanical Engineering Dept. as a research intern. Her research entailed investigating the stabilization of a mini-satellite. She

enrolled in the M.S. in Mechanical Engineering Program at Stony Brook University after completing her studies at UB. She was a BD student at Stony Brook from 2009 to 2011 and received her MS in Mechanical Engineering in 2011.



Richard Linares graduated from the University at Buffalo with a B.S. in Aerospace Engineering in June 2009 (Cum Laude). He was mentored by Dr. David Forliti, Mechanical and Aerospace Engineering Dept. as an undergraduate research intern. He participated in experimental studies on controlling

turbulent combustion and mixing. His research presentation won second place at the 2008 CSTEP Statewide Conference. He recently earned his M.S. in Aerospace Engineering at UB in June 2009. He was accepted to Aerospace Engineering PhD program for Fall 2011 at UB.



Regina May is currently enrolled as a senior in Computer Engineering and Electrical Engineering majors. She has been mentored by Dr. Bina Ramamurthy, Computer Science and Engineering Dept. as a

research intern. Her research focused on MapReduce-Hadoop distributed file system technology which powers applications such as Google.



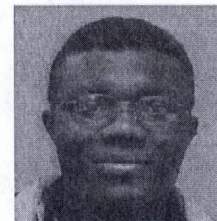
Nercy Moreno graduated from the University at Buffalo with a B.S. in Aerospace and Mechanical Engineering as well as a B.A. in Math in February 2011. She was mentored by Dr. Venkat Krovi, Mechanical and Aerospace Engineering Dept. as an undergraduate research intern. Her research involved virtual prototyping (VP) which is used to

improve the engineering design process. She has enrolled in the M.S. in Mechanical Engineering program at UB for Spring 2011. She was awarded the NSF funded SUNY LSAMP BD Fellowship to support her graduate studies.



Buay Nihal graduated from the University at Buffalo with a B.S. Mechanical Engineering in June 2010. His mentor as a research intern was Dr. Venkat Krovi, Mechanical and Aerospace Engineering Dept. His research entailed utilizing virtual prototyping (VP) to improve the engineering design process.

He is currently enrolled at UB in the M.S. in Mechanical Engineering program. He was awarded the NSF funded SUNY LSAMP BD Fellowship to support his graduate studies.



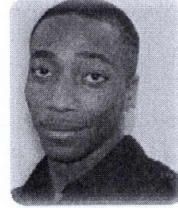
Dr. Shola Olabisi graduated from the University at Buffalo with a B.S. in Electrical Engineering at the University at Buffalo (Cum Laude). In addition, he completed M.S. in Electrical Engineering at UB in Sept. 2007. He recently completed his PhD in Electrical

Engineering at UB. He was a recipient of the Schomburg Fellowship to support his graduate studies. His mentor and graduate advisor was Dr. Jennifer Zirnheld, Electrical Engineering Dept./Energy Systems Institute. His graduate research topic was entitled, "Electric Explosion of Aluminum Metallized Film". He is currently employed with General Electric-Transportation Division (Erie, PA).



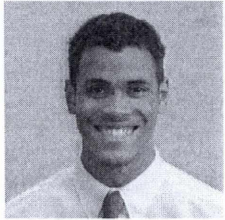
Francis Perez graduated from the University at Buffalo with a B.S. in Chemical Engineering in June 2009. Her mentor as a research intern was Dr. Sheldon Park, Chemical Engineering Dept. Her research focused on investigating the effects of

expressing a protein G peptide fragment in bacteria. She recently completed her M.S. in Chemical Engineering at UB in Aug. 2011



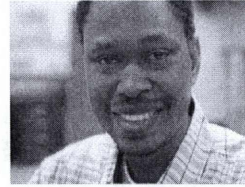
Osaka Shepard graduated from the University at Buffalo with a B.S. in Mechanical Engineering in June 2010. His mentor as a research intern was Dr. Venkat Krovi, Mechanical and Aerospace Engineering Dept. His research focused on examining the use of computational analysis and virtual

prototyping tools such as SolidWorks/COSMOS to simulate a hexapod. He was admitted to the M.S. in Mechanical Engineering program at UB for Fall 2011.



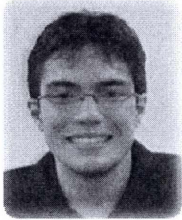
Adonis Pimienta-Penalver graduated from UB with B.S. in Aerospace and Mechanical Engineering in June 2011 (Magna Cum Laude). His mentor as a research intern was Dr. John Crassidis, Mechanical and Aerospace Engineering Dept. His research involved investigating an alternate method to

approximate the solution to Kepler's equation for elliptical orbit. He was admitted to PhD program in Aerospace Engineering at UB for Fall 2011.



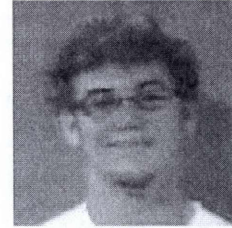
Souleymane Sow graduated from the University at Buffalo with a B.S. in Aerospace and Electrical Engineering in June 2010 (Cum Laude). His mentor as a research intern was Dr. David Forliti, Mechanical and Aerospace Engineering Dept. His

research topic was entitled "The Dynamics of Turbulent Transition in Jet Diffusion Flames". He is currently enrolled in the M.S. in Mechanical Engineering program at Purdue University.



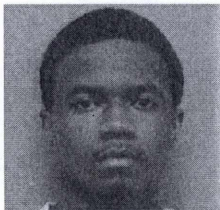
Jonathan Rivera graduated with a B.S. in Civil Engineering from the University at Buffalo in June 2011 (Cum Laude). He was mentored as a research intern by Dr. Andrew Whitaker, Civil Engineering Dept. His research topic was entitled, "Behavior of Squat Walls on Lateral Loading". He was recently admitted and enrolled in

the M.S in Civil Engineering program at UB. He was awarded the NSF funded SUNY LSAMP BD Fellowship to support his graduate studies.



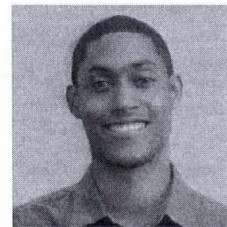
Nicholas Torres graduated from the University at Buffalo with a B.S. in Computer Science in June 2010 (Summa Cum Laude). His mentor as a research intern was Dr. Bina Ramamurthy, Computer Science and Engineering Dept. His project entailed assisting Dr. Ramamurthy's research team with building the framework for

community involvement in digital resolution. He is currently enrolled in the M.S. in Computer Science program at UB. He was awarded the NSF funded SUNY LSAMP BD Fellowship (2010-2012) to support his graduate studies.



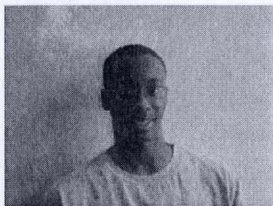
Dr. Sean Semper graduated from the University at Buffalo with a B.S. in Aerospace and Mechanical Engineering in June 2005. He completed M.S. in Aerospace Engineering at UB in June 2008. In addition, he recently completed his PhD in Mechanical Engineering at

UB in Aug. 2011. His mentor as an undergraduate research intern as well as his graduate advisor was Dr. John Crassidis, Mechanical and Aerospace Engineering Department. His graduate research topic was entitled, "Decentralized Geolocation and Optimal Path Planning Using Limited UAV's".



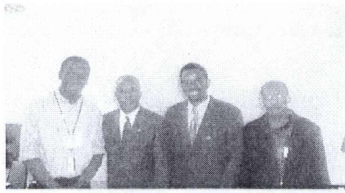
Antonio Upia graduated with a B.S. in Electrical Engineering from the University at Buffalo in June 2010. He was mentored as a research intern by Dr. Jennifer Zirnheld, Electrical Engineering/Energy Systems Institute. His research topic was entitled, "Rechargeable Electrochemical

Energy Storage Mechanisms". He was recently admitted and enrolled in the M.S. in Electrical Engineering program at UB for Fall 2011.



Michael Williams graduated with a B.S. in Chemical Engineering from the University at Buffalo in June 2008. He was mentored as an undergraduate research intern by Dr. Folarin Erogbogbo, Chemical Engineering Dept. His research

entailed performing surface functionalization and characterization of silicon nanoparticles. He earned his M.S. in Natural Sciences –Interdisciplinary Studies at UB in Feb. 2011. He was admitted to the UB School of Medicine for Fall 2011.



Jude Safo (left) was a BD student at Stony Brook from 2010 to 2011. He received his Master's degree in 2011 and started the Ph.D. Program in Nuclear Engineering at MIT this fall. **In 2010 he received the NSF Graduate Research Fellowship** that he will be using at MIT for his doctoral studies. As an undergraduate, he worked as Research Assistant at the Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Lab in the Department of Energy SULI program. This summer he was selected to participate in the Nanosystems Initiative summer program in Munich, Germany. *"After completing my Ph.D., I intend to commit myself to a life of research and mentoring much in the likeness of the Professors who inspired me"*

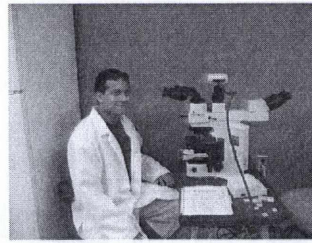
Dr. Shayri Greenwood was a BD student at Stony Brook from 2006 to 2008. She is currently completed her doctorate in Biopsychology this summer. The initial impetus for her research was a desire to help find a cure for epilepsy because of her brother's severe illness. She will be pursuing a Post-

Doctorate next fall working in Dr. Wilma Friedman's lab at Rutgers University. Dr. Brenda Anderson, her faculty mentor characterizes Shayri as follows: *"Shayri is an amazing student. She has made tremendous growth as a student, and her dedication is exceptional. Her project has been challenging at every stage, and yet she steadily makes progress."* Not only an excellent researcher and teacher already, she has made it a top priority to encourage other UREP students. She has presented Success in Science Empowerment workshops to UREP and low income students, helped recruiting efforts for UREP STEM graduate students and mentored minority undergraduates presenting their research at STEM conferences.



Catherine Depeine (seen with the research team she trained in Madagascar) was a BD student at Stony Brook from 2009 to 2011 and is currently completing her Master's Thesis on the social behavior, vocalizations, ranging behavior, and diet of woolly lemurs. Catherine went to Madagascar to do research in summer and fall of 2010 funded by travel scholarships from The American Society of Mammalogists and The National Society of Primatologists. Once in Madagascar she led and trained local teams. She was responsible for the research project from start to finish and learned a great deal about perseverance when she had to wait two months to obtain a research permit. For nine weeks, her team and spent an average of five days a week, eight hours a day searching for a nocturnal lemur. Catherine received an NSF Graduate Research Fellowship Honorable Mention in 2011.

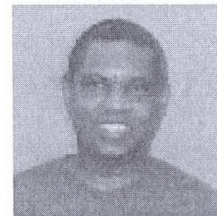
Jason Hall was a BD student at Stony Brook from 2009 to 2011. He started working in a lab in Pharmacology because low undergraduate grades prevented him from entering graduate school. In the lab he did so well that a faculty mentor thought he was a good candidate for graduate study



and advocated for him with the department and to get BD funding. Jason has currently advanced to candidacy and will be completing his doctorate while doing research at the Mayo Clinic in Florida. He is co-author on several articles including: Li, F.Q., Mofunanya A, Fischer V, **Hall Jason**, Takemaru K. (2010) "Nuclear-cytoplasmic shuttling of Chibby controls beta-catenin signaling." Mol Biol Cell. 21, 311-22.



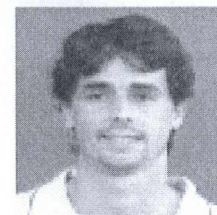
Carla Neckles was a BD student at Stony Brook in 2009 and is completing her BD funding in 2011. She is currently a doctoral student in Chemical Biology and has passed her qualifying exams. In 2010 she was awarded an NIH Chemical Biology Training Grant. She recently presented her research at the New York State Structural Biology Group.



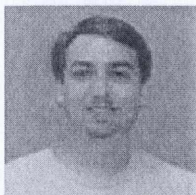
Dr. Milton Jackson was a BD student at Stony Brook from 2006 to 2008. He received his doctorate in Computer and Electrical Engineering and received a corporate Post-Doc through ASEE and Bentley Systems where he was working on research related to the Smart Grid. He is currently an adjunct lecturer at SUNY Farmingdale and Stony Brook University.



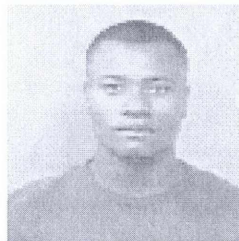
Inefta Reed was a BD student at Stony Brook from 2006 to 2008. She completed her Ph.D. in Physiology and Biophysics this summer and started a Post-Doc this fall at Stony Brook funded by the New York State Underrepresented Graduate Fellowship (Turner) Program.



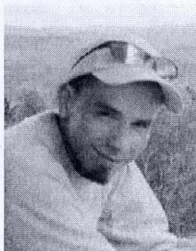
Manuel Rivera was a BD student at Stony Brook from 2006 to 2008. He received his MS in Computer Science and was working as a clinical laboratory administrator at Laboratorio Clinico La Merced in San Juan, Puerto Rico. He is currently in his first year of a professional doctoral program in pharmacy (Pharm.D.) at the Medical Sciences Campus-University of Puerto Rico.



Kevin Hauser was a BD student at Stony Brook from 2009 to 2011. He entered as a masters' student and is now in the doctoral program in Chemistry. He recently won an NIH Chemical Biology Training Fellowship and won an NSF Graduate Research Fellowship Honorable Mention in 2011. His research is in Modeling a Molecular Mechanism of Mitochondrial DNA Targeting by a Human Transcription Termination Factor. Kevin recently won a photo competition for the brochure cover at the 2011 American Chemical Society meeting. Kevin is also developing materials to use to get young children interested in science.



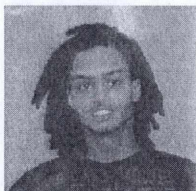
Pierre Xavier was a BD student at Stony Brook from 2006 to 2008 in Electrical and Computer Engineering. He received his MS degree and is currently working for the Defense Contact Management Agency (DCMA) as a Computer Engineer and is planning on applying for an MBA next year.



Javier Monzon was a BD student at Stony Brook from 2008 to 2010. He has advanced to candidacy is currently completing his Ph.D. in Ecology and Evolution. He is planning on becoming a Post-Doc at UCLA after he completes his degree. Recent presentations by Javier include: "*Beyond mitochondrial DNA: An analysis of population genetic structure in northeastern coyotes using highly variable SNPs*" presented at the 90th Annual Meeting of the American Society of Mammalogists. Laramie, WY and "*Climate change and species range dynamics in protected areas.*" at the 95th Annual Meeting of the Ecological Society of America. Pittsburgh, PA.



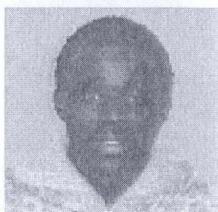
Stacy Cobb was a BD student at Stony Brook from 2008 to 2010 in Applied Math and Statistics. She received her MS and worked as a Researcher in the Harvard School of Public Health in the Epidemiology Department. She is interested in Autism and started her doctoral program in Statistics at the University of Georgia this fall.



Yannick Rigg was a BD student at Stony Brook from 2009 to 2011. As an undergraduate he was involved in a research placement in Atmospheric Sciences through a SUNY LSAMP collaboration with the NASA New York State Space Grant. His faculty mentor on this project identified him as a student with significant potential. BD, in partnership with his mentor, decided to advocate for him to the department for graduate admission. He would not have gotten interested in graduate study or been admitted to graduate school without this collaboration. He completed his MS in Atmospheric Sciences this summer.



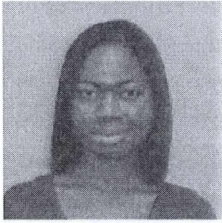
Trichelle Harris was a BD student at Stony Brook from 2009 to 2011. She received her MS degree in Applied Mathematics and Statistics and is currently employed as a Statistician at Publishers Clearing House. She is interested in biostatistics and has applied to a doctoral program at Washington University in St. Louis where she hopes to continue her studies. She was recently a co-author on an article "Comparison of Rare Variant Tests".



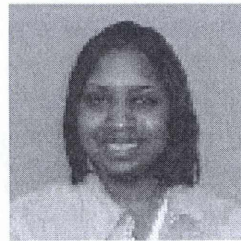
Vincent Koomson was a BD student at Stony Brook from 2006 to 2008. He received his MS in Mechanical Engineering and is currently working at Rockwell Collins in Virginia. He is working on designing the materials used to build airplanes. He is currently applying to Ph.D. programs.



Alexis Santana was a BD student at Stony Brook from 2008 to 2010. She has passed her qualifiers and is completing her Ph.D. in Genetics. As a BD student she has actively recruited UREP STEM students to graduate school at the ABRCMS conference and in other venues. Alexis graduated from SUNY New Paltz with a B.S. in biology in August 2008. She worked on two research projects on campus: "*Characterization of Mitotic Proteins*" which she presented at the 2006 SUNY New Paltz AC² Summer Research Program and "*Changes in Structure and Electron Density of Cadmium Sulfide Clusters With Zero to Four Organic Ligands Attached*"



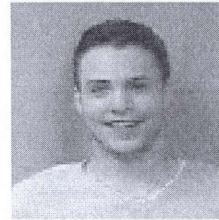
Cindy Thomas was a BD student at Stony Brook from 2008 to 2010. She has passed her qualifiers, has successfully defended her thesis proposal and is completing her doctorate in Molecular Genetics and Microbiology.



Tracey Evans was a BD student at Stony Brook from 2006 to 2008. She completed an MS in Atmospheric Sciences and is currently a laboratory manager at the Marine Sciences Center at Stony Brook. She is currently applying to doctoral programs to resume her studies.



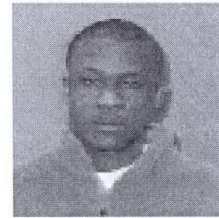
Emmanuel Asare was a BD student at Stony Brook from 2009 to 2011 in Genetics. He is currently working on completing his Ph.D. Recently he did an oral presentation at the Preparing for the Professoriate Conference in Albany on "*Alanine scanning mutagenesis of poliovirus protein 2C.*"



William Caraballo was a BD student at Stony Brook from 2006 to 2008. He received his MS in Electrical and Computer Engineering and is currently employed as an engineer by Otis Elevator in New York.



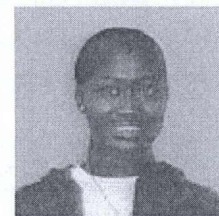
Luisa Torres was a BD student at Stony Brook from 2009 to 2011. She is a doctoral student in pharmacology. She received an honorable mention from the NSF Graduate Research Fellowship in 2011. Luisa recently co-authored an article: Sun, K., L. Torres, and D.W. Metzger, *A detrimental effect of interleukin-10 on protective pulmonary humoral immunity during primary influenza A virus infection.* J. Virol, 2010.



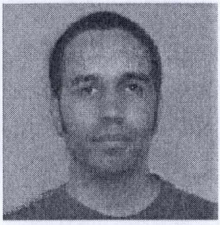
Andrew Henry was a BD student at Stony Brook from 2006 to 2008. While there he did research at the Department of Defense. He received his masters in Engineering Science and is currently employed at Cardinal Health in Phoenix Arizona as a Chem/Pharm Tech.



Vladimir Valdez was a BD student at Stony Brook from 2009 to 2011. He received his MS in Computer and Electrical Engineering this summer and is currently employed at MITEQ and plans to go on for his Ph.D. in a few years.



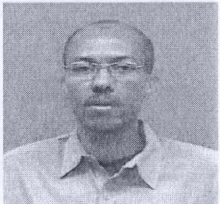
Baaba Blankson was a BD student at Stony Brook from 2009 to 2011. She completed her Masters degree in Biopsychology this summer and is applying to MD/Ph.D. programs for the following year.



Emmanuel Garcia is a BD student at Stony Brook from 2010 to 2012 in Biopsychology. He has already produced a ground breaking video called "Belief" about children growing up in religious cults.



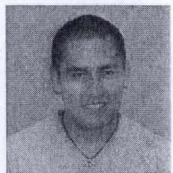
Marc Laroque was a BD student at Stony Brook from 2009 to 2011. He received his MS in Engineering Science this summer. He is planning to continue on for his Ph.D. and return to his native Haiti to work on long term science policy and planning.



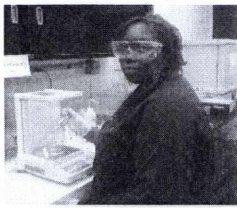
Chrisnel Lamy was a BD student at Stony Brook from 2008 to 2010. He received his MS degree in Applied Mathematics and Statistics this summer and is applying to doctoral programs.



Yesenia Miranda was a BD student at Stony Brook from 2008 to 2010. She received her MS in Biomedical Engineering this summer. She is currently employed as a Research Assistant in the Pharmacology Department at Stony Brook and plans to go on to her doctorate.

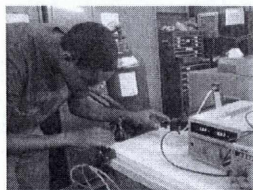


Gustavo Tinta was a BD student at Stony Brook from 2008 to 2010. He is currently completing his MS in Physiology and Biophysics and working with the SUNY AGEP program.



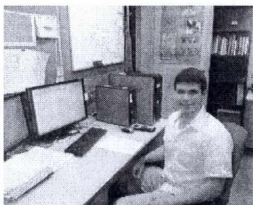
Alecia Bernard is a BD Fellow at the University of Buffalo (UB) in Chemical Engineering. Her research involves the very current environmental issue of oil spills. The aim of her research is to eliminate the spilled oil by breaking it into small

stable droplets that can be eventually eradicated by bacterial and solar decomposition. Alecia has participated in graduate school panels to share her experiences transitioning from an undergraduate student to a graduate student. She has also participated in the *Tech Savvy* program, which encourages young girls to pursue college degrees in the sciences. Alecia's current goals include earning her Ph. D in Chemical Engineering and using her knowledge to make a positive effect on the world.



Antonio Upia is a BD Fellow at UB where he is an M.S. student in Electrical Engineering. He is doing at research at the Energy Systems Institute (ESI) on the characterization of energy storage devices and exploding conductors

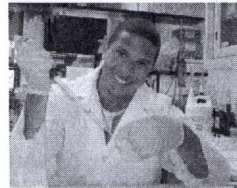
and has recently been focused on non-thermal plasma and its applications, a potential therapeutic tool for cancer treatment. Antonio has co-authored papers accepted by the *IEEE Transactions on Plasma Science Journal* and the *IEEE Pulsed Power Conference*. He has worked on helping minorities in engineering by actively participating in the National Society of Black Engineers (NSBE), as well as events hosted LSAMP. Antonio also helps promote engineering at UB by presenting demos of projects done at ESI to high school students and prospective students and hosts tours for the Buffalo-area Engineering Awareness for Minorities (BEAM) program.



Beynan Ransom is a BD fellow at UB in the MS program in the Civil, Structural, and Environmental Engineering. His research focus involves hydraulic and hydrologic studies to assess dam performance, as well as local community input to determine cultural uses within the

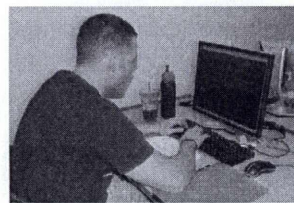
affected watershed. The results of this work will further the integration of human and ecosystem services in restoration design of dam affected watersheds. Beynan was first introduced to the field of environmental restoration when he worked for the Onondaga Nation following the completion of his Bachelors of Science in Civil Engineering. As the Nation's environmental technician, he worked with the *Onondaga Lake Natural Resource Damages Trustee Council* to incorporate cultural values of the Onondaga Nation into the restoration of Onondaga Lake. He plans to pursue his interest of incorporating cultural and ecological values in Civil and Environmental Engineering by applying to the Ecosystem Restoration through the Interdisciplinary Exchange doctoral studies program at UB and actively participates in the Native Graduate Student Association.

Corie A. Ellison, a BD fellow at UB from 2007 to 2009, is a Ph.D. candidate in Pharmacology and Toxicology. Corie is part of a multidisciplinary team interested in assessing exposure to organophosphorus pesticides in Egyptian cotton field workers to determine if there are neurotoxic



effects. As part of this research, Corie has traveled to Menoufia University, Egypt where he helped train a team of physicians, scientists, and students on DNA isolation and genotyping procedures. For the past four years, Corie has presented his research work at the annual National Society of Toxicology conference where he received three awards for his research. Corie has been the lead author on several scientific publications and authored a book chapter on pesticide metabolism. In 2009, Corie was awarded a National Institute of Environmental Health Sciences Pre-doctoral Research Supplement to Promote Diversity in Health-Related Research. In addition to his research work, Corie has helped mentor several students in the Pharmacology and Toxicology department. Corie has also given several presentations on how to have a successful graduate career to undergraduate students interested in pursuing an advance education in research.

Nicholas R. Torres is a BD Fellow at UB where is a M.S. candidate in Computer Science. His research is in the area of vehicular ad-hoc networks (VANET). Currently Nicholas is



focusing on the security aspects of these networks. In addition to his studies at UB, Nicholas is involved in tutoring math and science to middle school students at the Buffalo Native American Magnet School (K-8th grade),

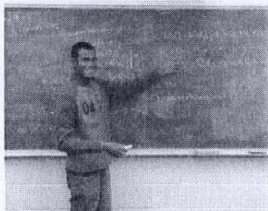
volunteering as much time as possible in the classroom.

Robert M. Namulala is a BD Fellow at UB in the Interdisciplinary MS Program at Roswell Park Cancer Institute His goals include obtaining his PhD and becoming a leading research professor in Systems Biology. His research is in the



include the analysis of protein structure and how that affects for the fundamental understanding of what causes disease states, such as cancer and Alzheimer's disease. Robert is studying the protein structure of bacterial

ribosome's (cell's protein factories) for drug targeting using bioinformatics and protein structural analysis at the Hauptman Woodward Institute. Currently, Robert is preparing to enter a graduate exchange program in systems biology between UB, the University of Luxembourg and the Free University in Amsterdam. The *CanSys Program* is a European-U.S. Interdisciplinary Master's Program fusing Systems and Cancer Biology. The goal of CanSys is to address the considerable shortage of research professionals in the pharmaceutical and biotechnology sectors. In response to the triple disaster in Tohoku, Japan, he has been accepted to an official disaster relief group in Minami Soma, Fukushima prefecture.



Adonis Pimenta-Peñalver is a BD Fellow at UB in the doctoral program in Aerospace and Mechanical Engineering. He is studying the dynamics and controls of aerospace systems. Currently, Adonis' research efforts consist of

developing an accurate and fast method to find an approximate solution to the classical mechanics "Kepler's problem" (finding the position or speed of two bodies over time, given their mass and initial position and velocity) using computational and numerical methods. He is also currently acting as Orbit Team Leader for UB-Nanosat, a student-led long-term competition to build and prepare a satellite to be put into orbit. Aside from his academic life, Adonis has been volunteered for several non-profit organizations to promote science and arts in the Buffalo community.



Andres F. Alzate is a BD Fellow at UB in the MS program in Civil, Structural and Environmental Engineering. His research involves numerical modeling of fluid mechanics and microorganism growth of algae in enclosed systems with the goal of understanding their interdependent relationships in order to develop the potential use of algae as a viable resource for applications such as bio-fuel production or waste water

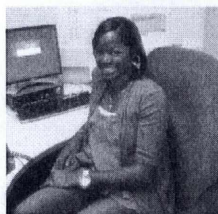
treatment processes. During Alzate's first year as a graduate student he developed a mathematical model of algal growth with embedded influences of fluid turbulence. Plans for his second year of study include utilizing a bioreactor apparatus which was designed and constructed during summer research in 2011. The physical model will complement the analytical model and serve as verification for his research hypotheses.



Bethany Rankin is a BD Fellow at UB in the doctoral program in Pharmacology and Toxicology. Her current research focuses on the design and development of anti-cancer agents that mimic breast cancer susceptibility protein

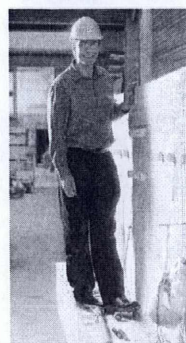
(BRCA1) and repress human estrogen receptor alpha (hER α) signaling, and consequently breast cancer tumor growth. She has presented her research at several conferences, the most recent entitled, *Morpholinoaniline Derivative Targeting Human Estrogen Receptor (hER α) as novel Anti-Cancer Agents*, presented at the *2011 ASPET Experimental Biology Conference*. As an undergraduate at Tougaloo, Bethany developed an interest in breast cancer research. From this and other research related programs and honors, including *Historically Black College and University Undergraduate Program (HBCU-UP)* and *Intercultural Cancer Council (ICC)* awards, she realized the importance of research programs in the development of minority scientists, and is very interested in the development of future scientists. She volunteers at the local Native American school and aids teachers in developing intriguing, effective ways to reach inner city youth.

Brittany Peoples is a BD fellow at UB pursuing a MS in the Interdisciplinary Studies with a concentration in Epidemiology



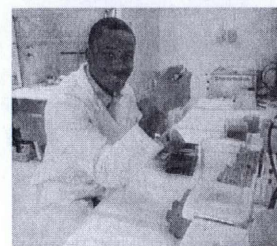
at Roswell Park Cancer Institute. Her goals include obtaining a Ph.D. in Epidemiology, becoming an educator and pursuing a career in research studying health disparities among minorities. Her current research focuses on health disparities in bone marrow transplant donor registration within the

United States. This research will help to identify what can be done to both increase the number of minority donors and increase awareness about bone marrow donation. Brittany works as a volunteer with the Summer High School Research Program at Roswell Park, where she works with high school and undergraduate students with interests in science and medicine. Through the Burrell Academic Scholar Program at Buffalo State College, she has also worked on numerous community initiatives including *The Family25 Inc*, in which she became a mentor and tutor for low-income and minority elementary and middle school students from urban districts.



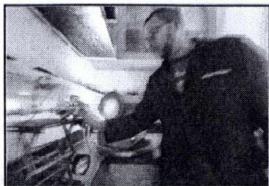
Jonathan Rivera is a BD Fellow at UB in the MS program in Civil, Structural, Earthquake and Environmental Engineering. His current research involves the construction and cyclic testing of low aspect ratio reinforced concrete shear walls, which serve as the primary lateral force resistance system in safety related nuclear structures. A major objective of the testing is to develop robust numerical analysis techniques that will accurately predict the shear strength

of these walls. At the beginning of the fall semester he will also be volunteering in the UB Buffalo Public Schools Interdisciplinary Science and Engineering Partnership.



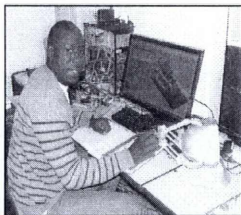
Oswald Dadson is a BD Fellow at UB where he is a M.S. student in Pharmacology and Toxicology. His research is examining organophosphorus pesticides and their effects on Egyptian cotton field workers. His thesis project will focus on measuring the levels of exposure of Egyptian cotton

field workers to the OP pesticide profenofos. Oswald has served as a mentor in the 2011 Collaborative Learning and Integrated Mentoring in the Biosciences Undergraduate Program (CLIMB UP) in the Department of Pharmacology and Toxicology. He has participated in poster presentations at the *50th Annual Society of Toxicology Annual Meeting* in Washington, D.C., as well as, the *UB 7th Annual Celebration of Academic Excellence*, where he won an Award of Excellence for his research. Oswald plans to continue his research in a Pharmacology and Toxicology doctoral program.



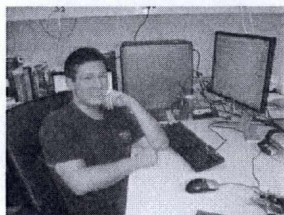
Jesús M. Velázquez was a BD Fellow at UB from 2007 to 2009. He graduated with a B.S. in Chemistry from the University of Puerto Rico at Cayey in 2004. Subsequently, he worked in

various pharmaceutical companies. He is currently a doctoral student in the Department of Chemistry working on the fabrication of metal oxide nanowire arrays and their device applications. He has published five peer reviewed articles as a first author. He has also been the recipient of several distinguished awards for his work and leadership including Who's Who among Graduate Students in American Universities and Colleges, UB Honorary Scholar, and a NASA funded Harriet G. Jenkins Fellowship. He is the first recipient of this incredibly competitive fellowship that will provide a tuition waiver and full stipend for three years of doctoral studies. During his tenure as a NASA-Harriett G. Jenkins fellow, he was selected to conduct research at NASA Ames Research Center in California under the supervision the Chief of Science and Exploration. His results led to an ongoing collaboration between the UB and NASA and he has been nominated to be a part of the NASA Ambassador's program disseminating NASA's vision for an engaged STEM workforce. For several years he has worked with middle school students at the Native American Magnet School where he has been responsible for the elaboration of creative experiments that seek to engage middle-school students and inspire them to consider careers in STEM disciplines. Over the summers of 2009 and 2010, Jesús has served as a peer mentor for REU participants. Recently, he participated in Innovation Station, a summer program at UB designed and piloted in 2010 to expose, engage, and educate rising elementary school students to the exciting world of STEM disciplines.



Buay D. Nhial is a current BD Fellow at UB pursuing an MS in Mechanical and Aerospace Engineering. Buay is currently working in the Virtual Reality Lab (VRLab) on the development of a new system for endovascular teleoperative access (SETA), a device constructed to

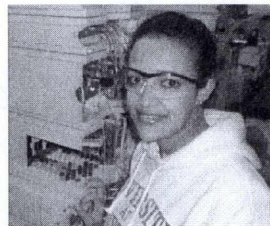
perform endovascular therapy, a surgical procedure that is less invasive compared to traditional vascular surgery. While continuing his academic endeavors, Buay is striving to develop his master's research topic related to his field of interest which comprises of conceptual design, modeling, controls and prototyping (rapid and virtual).



Ron Heichman is a BD fellow at UB pursuing a Ph.D. in Aerospace Engineering. He is currently on a project that focuses on minimizing the error of state estimation for orbital systems and determining collision probability. Ron has been interested in the engineering field

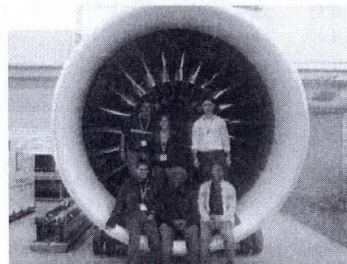
since he was in high school, when he began working with a university professor in the field of aerospace engineering. Since then, he has been very involved in various student groups and professional organizations that have helped him

develop and continue to pursue his passion.



Ivonne M. Ferrer was a BD Fellow at UB from 2007 to 2009. She is currently a Ph.D. candidate in Chemistry. Her research involves the synthesis and study of metal oxides (i.e., hafnia and zirconia) monolithic structures with hierarchical porous

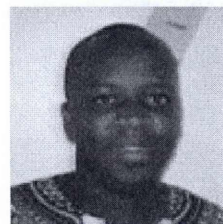
architecture. Her results have been submitted for publication to an American Chemical Society Journal. A patent is pending on the innovative application of the methanol oxide monoliths synthesized in her research group. Ivonne has presented her work in multiple regional and national scientific meetings such as *The Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy*, as well as the *American Chemical Society*. She has been involved in promoting Chemistry and motivating students from underrepresented groups to seek research opportunities. She has been a mentor to students in the UB Chemistry Dept.'s Research Experience for Undergraduates (REU) Program and provided workshops at her alma mater, the University of Puerto Rico at Cayey, on the Next Generation of Micro & Nano Technology. She also enjoys giving back to the community being a volunteer for National Chemistry Week at the Buffalo Science Museum and for the Science Fun Night at the Buffalo Native American Magnet School.



Jahmil Campbell was a BD Fellow at UB from 2007 to 2009 and is currently a Ph.D. candidate in Electrical Engineering and is also working on his Master's in Control Systems at Gannon University. He is a member

of several professional organizations and has attended various conferences, such as, the IEEE Pulsed Power Conference, where he presented his research on "The Methods to Increase Electrical Breakdown Threshold of Polystyrene Insulators." As an undergraduate, Jahmil participated in the UB SUNY LSAMP summer research program where he learned how to conduct research. This experience paved the way for his pursuit of a Master's and Ph.D. in Electrical Engineering. He has received various awards for his research talents, including the National Science and Mathematics Access to Retain Talent Grant, the Engineering Undergraduate Fellowship Award and the LSAMP Research Excellence Award.

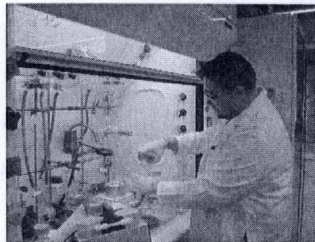
Epaphrodite Uwimana was a BD Fellow at UB from 2007 to 2009. He is currently working for the United States Census Bureau in their department of Information, Technology and Services.. Epa has worked as a program analyst for M&T Bank and Uniform Data System for Medical Rehabilitation, and has volunteered his time at Kaleida Health.





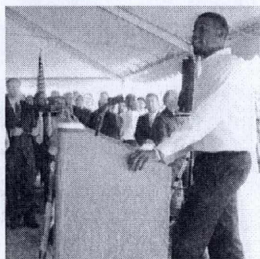
Daniel Gavahi was a BD Fellow at UB from 2007 to 2009. He graduated in 2010 with a Master's degree in Civil Engineering with a focus on Structural and Earthquake Engineering. He also holds a

Bachelor's degree in Architectural Engineering from the California Polytechnic State University-San Luis Obispo. Daniel's main interests lie in seismic and blast resistant design. He is currently an engineer at Hinman Consulting Engineers in the San Francisco Bay Area.

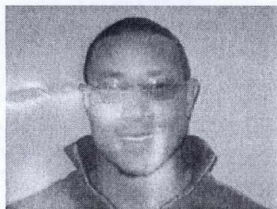


Pablo E. Guzmán was a BD Fellow at UB from 2007 to 2009. He received his Bachelor's from Chicago State University in 2006 where he participated in undergraduate research with

Professor LeRoy Jones II. This work made him realize that a career in science was for him. He earned his MS from the University at Buffalo (UB) in 2009. Pablo is currently a Ph.D candidate in Organic chemistry at Emory University working with Professor Huw M. L Davies.

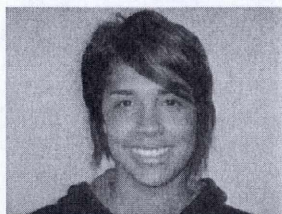


Barnard Onyenucheya was a BD Fellow at UB from 2007 to 2009. He has a Bachelor's and Master's degrees in Electrical Engineering from UB. He currently works for General Electric.



Keith Ward was a BD Fellow at UB from 2007 to 2009. He is a graduate of the University at Buffalo (UB), with degrees in Industrial Engineering and Operations Research. He

currently is employed at General Mills as a Systems Engineer.



Courtney Saenz was a BD student at Buffalo from 2007 to 2009. She is currently working on her Ph.D. in Molecular and Cellular Biophysics and Biochemistry at UB in the Roswell Park Graduate Division.