Welcome Message from C&FS Chair

Welcome to the first issue newsletter from the Department of Chemistry and Forensic Science! Our department hosts chemistry and forensic science programs. Our Chemistry Program is certified by the American Chemical Society (ACS) to offer Bachelor of Science (BS) degree in chemistry, and to maintain high national standards in teaching and research. Forensic Science Program offers the BS in Forensic Science with a concentration in Chemistry or Biology. This is a four-year, interdisciplinary degree program that is designed to produce trained graduates prepared for positions in toxicology, law enforcement, criminal justice, forensic science laboratories, graduate-level research and related fields.

In this newsletter, you will find exciting updates of the tremendous growth of both programs, including faculty/student research activities and scholarships, outreach activities, student professional clubs, highlights of recent graduates, and more. Students will also find exciting scholarship opportunities in STEM disciplines. Also, I would like to invite alumni of our two programs to contact us and reach back to your Alma Mater! Enjoy reading!

First Forensic Science Students Set to Graduate this Fall 2014

Forensic Science program at SSU will be graduating its pioneer students in December 2014 commencement. The students are Ms. Gabrielle Powell (B.S. in Forensic Science with a concentration in Chemistry) and Ms. Chyanne Hobley (B.S. in Forensic Science with a concentration in Biology).

Ms. Gabrielle Powell is currently the president/co-founder of Forensic Science Club and she had the privilege of participating in undergraduate research, and attending professional conferences. She did her undergraduate research under the guidance of Dr. Karla-Sue Marriott. Her project involved the synthesis of a ligand that was selective to the sigma-1 receptor. She also participated in the 2014 summer research internship at Iowa State University where her project was to create a microflow cytometer. The research she conducted at Iowa State was placed third overall in poster presentations at the 2014 Peach State LSAMP Conference hosted by Georgia Tech.

Ms. Chyanne Hobley has been very involved in several campus activities, from her freshman year to the last semester of her senior year. She was the president of Resident Hall Association for two years and helped to start the Forensic Science Club here at Savannah State University. She is also an active member of Alpha Kappa Alpha Sorority Inc. Ms. Hobley enjoys helping others and was a resident assistant for two and a half years. She bleeds orange and blue and is excited to see what her future has in store.

Other December 2014 graduates: Kimberly Rivers (B.S. Chemistry), Ehiozogie Asemota (B.S. Chemistry), Robert Dumas (B.S. Chemistry, ACS Certified). Our department is proud to announce that Mr. Robert Dumas, who is also the ACS Student Chapter Senator, will be commissioned as a United States Navy Officer during the commencement ceremony.
Meet New C&FS faculty

Dr. Edugie Ekuase joined C&FS faculty in Fall 2014 as an Assistant Professor in the Forensic Science Program. She had a BS in Biology from Fort Valley State University and a Ph.D. in Pharmacy from the University of Iowa. Shortly after earning her doctorate, she went to the University of Kansas Medical Center (KUMC) for a postdoctoral training in the area of Toxicology, Microbiology and Immunology. She has expertise in animal studies and molecular modeling using Surflex dock, ELISA, studies involving biological warfare agents, enzymology, and development of predictive models for interaction of xenobiotics with enzymes with the use of Comparative Molecular Field Analysis. Her research interest includes xenobiotic chemicals (such as Polychlorinated biphenyls) and their mechanism of toxicities to animals and humans; Enzymes and their involvement in xenobiotic metabolism in animal models; Cancer risk related to xenobiotic exposure/toxicity as well as chemoprevention. Her teaching responsibilities include courses in Forensic Science and Chemistry. She is currently working on developing a Forensic Toxicology course for the Forensic Science Program.

Dr. Martins Odetokun joined C&FS faculty in Fall 2014 as a full time Lecturer in Chemistry. Dr. Odetokun had BS and MS in Chemistry from University of Ilorin, Nigeria in 1987 and 1990, respectively. He was employed as Lecturer at Federal College of Education Ondo and then Federal University of Technology Akure, both in Nigeria, where he lectured for about 12 years. During this period, he started a PhD program in the University where he lectured and in collaboration with International Center for Science in Trieste/Milano Italy. He obtained Ph.D. in Analytical/Food Chemistry in 2001. He joined Oak Ridge Institute for Science and Education (ORISE) for his Post-Doctoral program (Toxicity and Infectious Diseases) in 2002/2003 at Department of Organic and Analytical Toxicology Center for Disease Control and Prevention (CDC) Chamblee Campus in Atlanta. He then thereafter joined CDC as a full time staff in 2003 where he worked as a Fellow and Senior Research Officer/Scientist until Feb 2013. His present areas of studies include Environmental, Food, Analytical and Toxicology. He also has a diploma in Cosmetic Chemistry and a Certificate in Occupational Safety & Health from OSHA Academy in Beaverton Oregon, USA.

Dr. Tao Huang joined C&FS faculty in Fall 2014 as a full time Lecturer in Chemistry. Dr. Huang had BS in Chemistry from University of Science and Technology of China and Ph.D. in Analytical Chemistry from University of North Carolina at Chapel Hill. He went to the Brookhaven National Lab (BNL) for a Postdoctoral training in the area of fuel cell catalysis. He later joined Old Dominion University in Virginia as a research scientist until 2013. His present areas of studies include the mechanism of multidrug tolerance of bacteria related to the active efflux pumps, especially the ATP-binding cassette transporter (ABC transporter), biomedical engineering, nanotechnology, toxicity of nanomaterials, fuel cells and photovoltaic cells.

Active Grant Awards

A summary of active grants from C&FS is presented below:

<table>
<thead>
<tr>
<th>Sponsor Agency</th>
<th>PI / Co-PI</th>
<th>Title</th>
<th>Period</th>
<th>Amount</th>
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<tr>
<td>NIH/NIGMS</td>
<td>Jones, Cecil</td>
<td>MARC U-STAR Program</td>
<td>6/1/12-5/31/17</td>
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<td>NIH/NIDA Drug Abuse</td>
<td>Marriott, Karla-Sue</td>
<td>Synthesis of Novel Agents for Use in Addiction Treatment</td>
<td>4/10/10-1/31/14</td>
<td>$228,053</td>
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Chemistry and Forensic Science (C&FS) News; Nov. 2014, Vol. 1, Issue 1

<table>
<thead>
<tr>
<th>Fund</th>
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<th>Project Title</th>
<th>Start Date</th>
<th>End Date</th>
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<tr>
<td>NASA-UR1</td>
<td>Marriott, Karla-Sue</td>
<td>Countermeasures to Modulate/Augment Immune Systems</td>
<td>6/17/13-3/31/15</td>
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<td>$276,000</td>
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<td>UNTHSC/NIH</td>
<td>Shen, Kai</td>
<td>STAR Fellowship</td>
<td>1/1/14-12/31/14</td>
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<td>Zhao, Hua</td>
<td>RISE Program</td>
<td>9/1/12-8/31/17</td>
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<td>NIH/NIBIB</td>
<td>Zhao, Hua – Co-PI</td>
<td>Expanding Diversity in Engineering and the Physical Sciences</td>
<td>2011-2015</td>
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<td>$610,560</td>
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<td>The Camille and Henry Dreyfus Foundation</td>
<td>Zhao, Hua</td>
<td>Accelerating enzymatic hydrolysis of cellulose biomass by ionic liquid pretreatment (Henry Dreyfus Teacher-Scholar Award)</td>
<td>8/1/12-7/31/17</td>
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<td>$60,000</td>
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<td>ACS Petroleum Research Fund</td>
<td>Zhao, Hua</td>
<td>Tailoring Ionic Liquids for Deep Desulfurization of Liquid Fuels by Oxidative Extraction</td>
<td>6/2015-7/2018</td>
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<td>$70,000</td>
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<td><strong>Total Funding</strong></td>
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<td></td>
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<td>$4,431,013</td>
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**Faculty Research Spotlight**

**Dr. Karla-Sue Marriott**

**NASA University Research (UR) 1 - Investigation of Countermeasures to Modulate and Augment the Immune System on the International Space Station (ISS)**

On April 18, 2014, Space-X 3, launched the Falcon 9 Rocket containing the Dragon Capsule headed for docking at the NASA International Space Station (ISS). On board was groundbreaking research from the University Research- 1 (UR-1) team. This research is focused on the development of benzofuran-2-carboxylic acid derivatives designed for immune system augmentation, the restoration of immune cell function and the inhibition of cancer initiation and development. The ground-based research findings of these compounds synthesized in SSU Chemistry and Forensic Science laboratories by Dr. Marriott and her two undergraduate research students Shakema Bowman, a junior Forensic Science major and Daniel Meis, a junior Biology major reveal inhibitive properties for cancer cell proliferation and restorative properties for cells exposed to radiation. This research addresses risks critical to the health of the astronauts and humankind. The experiment splashed back down to earth after a month in SPACE on May 18, 2014 in the Pacific Ocean and the researchers are currently busy collecting and analyzing the data. There was a NASA-UR1 research meeting on the Savannah State University campus in June, 2014 to discuss the initial findings. More to come in the next issue of C&FS News!
NASA UR1 Team:

- Colonel Willie Williams (NASA/JSC)
- Dr. Karla-Sue Marriott, Savannah State University
- SSU Student Researchers: Shakema Bowman and Daniel Meis
- Dr. Shakhawat Bhuiyan, Jarvis Christian College
- Dr. Richard Wilkins, Prairie View A & M
- Dr. Alamelu Sundaresan, Texas Southern University
- Dr. Jinghe Mao, Tougaloo College

Lt. Col. Willie B. Williams, research portfolio manager at the International Space Station (ISS) National Aeronautics and Space Administration (NASA) Research Office was the keynote speaker during SSU 4th Annual Research Conference and RIMI Symposium.

Pending Grant Proposals

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<th>Sponsor Agency</th>
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<td>NSF S-STEM</td>
<td>Binda, Pascal / Ekuasie, Edugie</td>
<td>Strengthening Recruitment, Retention and Post-Baccalaureate Career Placement in Chemistry, Forensic Science and Biology</td>
<td>$700,560</td>
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<td>NSF HBCU-UP</td>
<td>Binda, Pascal</td>
<td>Research Initiation Award: Synthesis of new cross-linkable biodegradable polyesters</td>
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<td>Thurgood Marshall College Fund</td>
<td>Binda, Pascal</td>
<td>Synthesis of New Cinnamaldehyde Derivatives as Potential Anti-Diabetic Agents</td>
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<td>Department of Army USAMRAA</td>
<td>Jones, Cecil</td>
<td>Effect of Photodynamic Therapy Induced Oxidative Stress on the Binding Affinity between Cardiolipin and Cytochrome C</td>
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<td>GA Board of Regents</td>
<td>Jones, Cecil</td>
<td>Affordable Learning Georgia Textbook Transformation</td>
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<td>Shen, Kai</td>
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<td>Metavinculin Regulation of Cell Cytoskeleton Remodeling in Response to Substance Stiffness</td>
<td>$390,000</td>
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<td>NSF</td>
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<td>MRI: acquisition of a Raman Microscope for Interdisciplinary Research and Training</td>
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<td>Metavinculin Regulation of Cell Cytoskeleton Remodeling in Response to Substance Stiffness</td>
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<td>NSF/UTA</td>
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<td>Enzymatic Solvent Free Preparation of Bio-based Surfactants</td>
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<td>NSF</td>
<td>Zhao, Hua</td>
<td>RUI-Improving DNA-Based Asymmetric Catalysis by New Solvent Systems</td>
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<td>Total Funding</td>
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Conference Presentations/Workshops and Recent Publications

Faculty Presentations


**Recent Publications**

Hua Zhao* and Kai Shen (2014) “DNA–Based Asymmetric Catalysis: Role of Ionic Solvents and Glymes”, RSC Advances, DOI: 10.1039/C4RA10749G.


**Professional Development**


Pascal I. Binda and Kai Shen Quality Education for Minorities (QEM) Network and National Science Foundation (NSF) CAREER and HBCU-UP Workshops, Hilton Baltimore Hotel, April 2014.


Pascal Binda Annual Biomedical Research Conference for Minority Students (ABRCMS), November 12-15, 2014, San Antonio, TX.

**Faculty Awards**

Dr. Karla-Sue Marriott

2009 Certificate of Achievement in Honor of Outstanding Contribution to Education- The Big Read- National Endowment for the Arts

2013 Emerging Scholar for 2013, as selected by Diverse Issues in Higher Education Magazine
Dr. Hua Zhao

2012, Henry Dreyfus Teacher-Scholar Award from Camille and Henry Dreyfus Foundation
2009, RSC Research Fund Award from Royal Society of Chemistry

**Students Conference Presentations**


Chantrell Frazier and Karla-Sue Marriott "Synthesis of Sigma-1 Receptors", 9th Annual PSLSAMP Fall Symposium and Research Conference, September 19-21, 2014, Atlanta, GA.


Gabrielle Powell and Nastaran Hashemi “Microfluidic cytometry for microparticles using multi-pixel photon counters”, 9th Annual PSLSAMP Fall Symposium and Research Conference, September 19-21, 2014, Atlanta, GA.


Marion Johnson and Olarongbe Olubajo “Microwave Assisted, Boric Acid Catalyzed Direct Amidation of Carboxylic Acid”, Savannah State University 4th Annual Research Conference and RIMI Symposium, April 8, 2014.

Marion Johnson and Adegboye Adeyemo, “Synthesis and Characterization of Cationic Porphyrin: A Potential Candidate for Photodynamic Therapy of Tumor”, 8th Peach State LSAMP Annual conference, October 10-12, 2013 in Marietta, GA.
Summer Research Experience for Undergraduate Report

C&FS students are actively involved in summer research internships through NSF sponsored Research Experience for Undergraduate (REU) and NIH undergraduate research programs. The following students participated in the 2014 summer research internships.

**Quanesha Williams**, Chemistry Major, RISE scholar, internship at Alabama State University, “Green synthesis, characterization and antimicrobial activity of silver nanoparticles”.

**Maleek Montgomery**, Chemistry Major, NIBIB scholar, internship at Norfork State University, “Tailoring of Frontier Orbitals to Advance Renewable Energy Research”.

**LaTanya Downer**, Chemistry Major, NIBIB scholar, internship at University of Malaysia, “Molecular Sexing of the Sambar Deer [Rusa unicolor] Using PCR Amplification of the Amelogenin gene and DBY gene”.

**Diamond Rogers**, Forensic Science Major, RISE scholar and now MARC scholar, internship at SMART Program/Department of Molecular and Medical Genetics; University of North Texas, "Detection of Babesia microti in Ixodes Scapulars Ticks by PCR and Next Generation Sequencing".

**Chantrell Frazier**, Forensic Science Major, RISE scholar, internship at Savannah State University with Dr. Marriott, "Synthesis of Sigma-1 Receptors".

**Tiffany Villanueva**, Forensic Science Major, NIBIB scholar, internship at University of Massachusetts Medical School, “Engineered External Guide Sequence/RNase-P against C9orf72 transcripts in a transgenic mouse model to treat human familial amyotrophic lateral sclerosis”.

**Gabrielle Powell**, Forensic Science Major, internship at Iowa State University, “Microfluidic cytometry for microparticles using multi-pixel photon counters”.

Students Conference Presentation Awards

2014, **Gabrielle Powell** (Forensic Science major), 3rd place in poster presentation, 9th Peach State LSAMP Annual conference, September 19-21, 2014 in Atlanta, GA. Mentored by Dr. Jane Doe of Iowa State University

2014, **Marion Johnson** (chemistry major), 1st place in chemistry poster presentation, Savannah State University 4th Annual Research Conference and RIMI Symposium, April 8, 2014. Mentored by Dr. Olarongbe Olubajo of SSU
2013, Marion Johnson* (chemistry major), 1st place in chemistry poster presentation, 8th Peach State LSAMP Annual conference, October 10-12, 2013 in Marietta, GA. Mentored by Dr. Adegboye Adeyemo of SSU

2013, Diamond Rogers (forensic science major), 3rd place in chemistry oral presentation, 8th Peach State LSAMP Annual conference, October 10-12, 2013 in Marietta, GA. Mentored by Dr. Kai Shen of SSU

2013, Lana Thomas** (chemistry major), 1st place in chemistry presentation, SSU 3rd Annual Research Conference and RIMI Symposium, April 9, 2013 in Savannah, GA.

*Marion Johnson graduated May 2014, currently a graduate student at North Carolina A & T State University

**Lana Thomas graduated May 2013, currently a graduate student at Fisk University/Vanderbilt University collaborative graduate program.

ACS Celebrates National Chemistry Week (October 19th to 25th 2014)

Savannah State University Chemistry Club joined the American Chemical Society (ACS) to celebrate National Chemistry Week (NCW) from October 19th to 25th, 2014. The events that took place for the week included a seminar to focus on graduate school applications, student and faculty discussion forums to motivate students and visitations to Beach and Johnson high schools for recruitment purposes. The seminar speaker was Dr. Alena Kubátová, Associate Professor of Chemistry, University of North Dakota and the topic was: “How can we learn more about fate of organic atmospheric particles?” This year’s NCW was sponsored by SSU Office of Academic Affairs and Coastal Georgia local section of ACS.

Forensic Science Program acquired a Bruker Scion GC/MS Instrumentation

Dr. Lambright has been very supportive and was instrumental in the acquisition of a Bruker GC/MS instrument used for teaching, research and analyzing unknown substances in the Forensic Science and Chemistry programs. Forensic Science Club President, Ms. Gabrielle Powell presents Dr. Lambright (COST, interim Dean) with a FSCI Club t-shirt as an honorary member.

Forensic Science Club and Title III recently organized a seminar on November 6th, 2014. The speaker, Mrs. Jessica Romanoski who is an agent of the Georgia Bureau of Investigation, spoke on “the Life of a Forensic Scientist”. Forensic Science students and faculty were in attendance during the presentation.
Alumni Report

Graduates from our chemistry program have earned advanced or professional degrees from some of the most prestigious universities in the country. Externally funded projects have provided a significant level of research opportunities for students, and prepared them to take on off-campus internships. These advanced levels of preparation have resulted in significant numbers of graduates admitted to advanced degree programs. Below is the list of our graduates in the last two years who earned Ph.D., MD and Pharm. D.; close to receiving their PhDs and those admitted to professional schools.

PhDs and Professional Degrees

2. Dr. LaDena Bolton, (Holley), BS Chemistry, May 2006, PhD Polymer Chemistry May 2014, Clark Atlanta University. Atlanta, GA. Postdoc, Emory University Atlanta. GA.
3. Dr. Artez Sims, BS Chemistry, ACS Certified, Cum Laude; PhD Chemistry May 2013, Vanderbilt University, Nashville, TN. Educator, Thomasville City Schools and Instructor, Southwest Georgia Technical College
4. Dr. Rasheed Lawal, BS ACS Certified, Magna Cum Laude, May 2008; MS Physiology, University of Louisville. KY 2009, DO (Doctor of Osteopathic Medicine) May 2014, Michigan State University College of Medicine, Emergency Medicine Resident Physician, Michigan State University- Garden City Hospital.
5. Dr. Mistry Moore, BS Chemistry, Suma Cum Laude, May 2011, Pharm. D, June 2014, South University, Savannah, GA. Pharmacist, Rite-Aid, Glenville, GA

The following students are close to receiving their PhD degrees.

1. Vernecia Person, BS Chemistry, ACS Certified, Cum Laude, May 2008, PhD Chemistry Program, Clark Atlanta University, Atlanta, GA.
2. Janet Cowins, BS Chemistry, Cum Laude, May 2009, PhD Chemistry Program, Clark Atlanta University, Atlanta, GA.
3. Kelvin Frazier, BS Chemistry, ACS Certified, BS Mathematics, Magna Cum Laude, May 2010, PhD Chemistry Program, MIT, Cambridge, MA. (See the Spotlight below)
4. Lionel Cross, Jr., BS Chemistry, Cum Laude, May 2010, PhD Chemistry Program, Clark Atlanta University, Atlanta, GA.
5. Shaletha Holmes, BS Chemistry, Magna cum Laude, May 2011, PhD Program, Department of Pharmacology and Neuroscience. UNTHC, Fort Worth, TX

The following students are admitted to Ph.D. programs and professional schools in the recent two academic years.

2. Darien Campbell, BS Chemistry, ACS Certified, Cum Laude, May 2013, Pham. D. Program, School of Pharmacy, Presbyterian College, Clinton, SC, matriculated fall 2014.
3. Angela Bradley, BS Chemistry, May 2013, Pham. D. Program, School of Pharmacy, South University, Columbia, SC, matriculated fall 2014.

4. Jovian Lazare, BS Chemistry, Magna Cum Laude, December 2011, PhD Chemistry Program, Clark Atlanta University, Atlanta, GA, matriculated fall 2014.


Alumni Spotlight: Kelvin Frazier

Mr. Kelvin Frazier, C&FS alum

Awards and Honors:
- Daniel S. Kemp Summer Graduate Fellowship 2010 at MIT
- Black Graduate Student Association (BGSA) Member of the Year 2013-2014.
- MIT Provost Presidential Fellowship 2010-2011 at MIT
  - Highest fellowship honor for first year MIT graduate students.

Lists of publications:
- Frazier, KM; Mirica, KA; Walish, JJ; Swager, TM; “Fully-drawn carbon-based chemical sensors on organic and inorganic surfaces” Lab Chip, 2014, 14(20), 4059-4066.

C&FS editorial caught-up with a 2010 graduate, Mr. Kelvin Frazier, now a Ph.D. candidate at MIT studying chemistry under the mentorship of Professor Timothy Swager. His Ph.D. dissertation topic is “Fabrication of Chemical Sensors using Carbon Nanotubes for New Device Platform”. Mr. Frazier, who will be graduating in 2015, explains his love for chemistry and his experiences at Savannah State University in this interview.

Q: What is your current research at MIT?

A: I fabricate chemical sensors by using carbon nanomaterial and depositing them on various substrates via mechanical abrasion. These sensors have many applications such as detecting industrial hazard, explosives, food quality, and more.

Q: What was your favorite chemistry class at Savannah State?

A: I enjoyed chemistry in general, so I didn’t have a favorite chemistry course.

Q: What techniques did you learn at Savannah State University that you found helpful in graduate school?

A: I learned effective time management skills (keeping a detail calendar of my schedule broken down by the hour), leadership skills (President of SSU student chapter of ACS), and the proper research skills (Defining a research
hypothesis, Performing a research experiment that test the research hypothesis, and Effectively explaining the results both by verbal and written communication).

Q: What challenges do you face in graduate school that you want undergraduate students to be aware of?

A: Don’t settle for what is taught in class. Take ownership of each topic mentioned and understand the subject beyond what the textbook says. In graduate school, you have to be able to teach yourself because you have to develop the skills of becoming an independent thinker. I struggled learning advanced topics because I found myself never truly understanding the basics. Always ask the question why during your studying sessions, so that you get the fully fundamental understanding of the material.

Q: What plans do you have after graduating from MIT?

A: I plan to work at a technology-based consulting firm. From there, I would ultimately like to end up as a CEO of a tech-based company.

Q: What advise do you have for undergraduate students planning to enroll in graduate school?

A: Make sure to gain plenty of research experience, always set high realistic standards for yourself, become an independent thinker (via look up chemistry topics beyond textbook), and always make sure your academic record is very competitive. Know that your chemistry professors are there to support you and let them know what your aspirations are so that they can help you. I would have never completed a double major (chemistry and mathematics) in 4 years without my professor’s support.

Q: What makes a strong application for graduate school, besides a good academic record?

A: In order to get into graduate school, you need to have research experience. When schools accept new graduate students, they expect them to be good researchers. Receiving a research assistant stipend from a school shows that they are paying you to be a researcher, so they need to know that you have the capability of conducting high quality research.

Q: What message do you have for chemistry faculty at HBCU’s?

A: The beauty of going to an HBCU is the overwhelming supportive network that students receive. In predominately white institutions (PWI), you don’t receive that same support. It is either you sink or swim. I am so happy that I had the chance to go to an HBCU. Continue to support your students and challenge them to become better scientist.

Q: Would you be willing to visit SSU to motivate our students?

A: Yes, I always love coming back to my alma mater.

Scholarships Applications

NIH MBRS RISE (Minority Biomedical Research Support- Research Initiative for Scientific Enhancement):

Objective: The goal of this program is to increase the number of graduates in RISE relevant undergraduate programs and to increase the number of underrepresented minorities in the biomedical/behavioral sciences pursuing and completing Ph.D. programs. The program will facilitate curriculum enhancements to benefit all STEM students. Each scholar will be placed with a mentor and actively engaged in research on- and off-site. RISE scholars must be majoring in biology, chemistry, marine science or behavior analysis.
Eligibility: Full-time student with a major related to the biomedical and behavioral sciences with a cumulative GPA of 3.0 (on a 4.0 scale) and strong interest in attending graduate school, especially Ph.D. programs. Contact information: Dr. Zhao (zhaoh@savannahstate.edu) or Mrs. Devi (devic@savannahstate.edu)

NIH NIBIB (National Institute of Biomedical Imaging and Bioengineering):

Objective: The goal of the NIBIB “Expanding Diversity” Research Training Program is to increase the number of minority students who earn a degree in science, technology, engineering, or mathematics (STEM) and enter into a STEM graduate program and research career. Contact information: Dr. Zhao (zhaoh@savannahstate.edu)

NIH MARC U-STAR (Maximizing Access to Research Careers Undergraduate Student Training in Academic Research):

Objective: The NIH/NIGMS MARC U-STAR Honors Program at Savannah State University provides minority students, who are traditionally underrepresented in biomedical and behavioral sciences, a rigorous research training preparedness program during the junior and senior years. The program will prepare them to be admitted and successfully complete Ph. D. programs at top-tier institutions. MARC Scholars must be majoring in biology, behavior analysis, chemistry, marine science or mathematics with a minimum 3.25 GPA. Contact information: Dr. Jones (jonescc@savannahstate.edu)

C&FS Faculty and Staff:

Chemistry Program: Dr. Adegbuyi Adeyemo, Prof. Janie Baker, Dr. Pascal Bindu, Dr. Cecil Jones, Dr. Olarongbe Olubajo, Dr. Zhiyan Song, Dr. Hua Zhao

Forensic Science Program: Dr. Edugie Ekuase, Dr. Karla-Sue Marriott, Dr. Kai Shen

Lecturers: Dr. Tao Huang and Dr. Martins Odetokun

Adjunct Instructors: Mr. Craig Anderson, Dr. Alan Boulton, Mrs. Ujvala Bagal, Mrs. Irene Davis, Mr. Sidney Jones

Secretary: Mrs. Regina Brockington

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