For 32 years, the SCAMP program has collaborated with the Office of Multicultural Students Programs and Services to aid incoming, minority, freshman in their transition from high school into the College of Charleston by providing the Speedy Consolidation and Transition Program (SPECTRA). This summer bridge program allows future STEM students to live in residence halls while earning college credits and becoming familiar with campus programs and resources. This summer thirteen students successfully completed SPECTRA: Victoria M., Briana, Vernon, Mylene, Alexis, Donzelle, James, Lucy, Victoria C., Nathan, Nykia, Jonary, Kayla. As fellow SCAMPers we welcome you!

Celebration Of Summer Scholars

Every year students present research conducted with a professor either from the College of Charleston or another university. Among these students are SCAMP students who were awarded funding from the URCA and other grants associated with the College and other Universities. Pictured to the right: Alyssa Johnson, Keyaira Morgan, Sondrica Goines, , Sophia Emetu., Amanda Anyim.
SCAMP Research Banquet

On October 3, 2017 SCAMP held its annual Undergraduate Research Banquet to commemorate those students who undertook research over the summer. This banquet is a chance to showcase the knowledge and abilities of the SCAMP students to their families, other faculty and staff, and College of Charleston Board of Trustee members.

Below are the SCAMP researchers that presented, the title of their project, their faculty advisor, and where the research was conducted.

**Wendell Roberson**  
*Spectral Fitting for AGN*  
Mentor: Dr. Chartas, Department of Physics and Astronomy, College of Charleston

**Alyssa Johnson**  
*New Hybrid Polymer for Imprinting of Pathogens*  
Mentors: Dr. Dick Zane, Dr. Maria Dulay, Chemistry Department, Stanford University

**Victoria Bailey**  
*Basic Hydrolysis of Oxime- and Ketone-Functionalized Poly(caprolactone)*  
Mentor: Dr. Brooke Van Horn, Department of Chemistry and Biochemistry, College of Charleston

**Gunther Martin**  
*Acoustic Optical Research*  
Mentor: Dr. Alem Teklu, Department of Physics and Astronomy, College of Charleston

**Keyaira Morgan**  
*Seeding Development of Arabidopsis Blue-Light Photoreceptor Mutants in High and Low Temperatures*  
Mentor: Dr. Courtney J. Murren, Biology Department, College of Charleston
SCAMP Research Banquet (continued)

**Sondrica Goines**  
*Aqueous Synthesis of Silver Nanorods through Seed-Mediated Growth*  
Mentor: Dr. Younan Xia, Department of Chemistry and Biochemistry  
Georgia Institute of Technology

**Mikel Hannah-Harding**  
*Climatology and Variability of Tropical Cyclones Impacting Charleston, SC*  
Mentor: Dr. Lee Lindner, Department of Physics and Astronomy, College of Charleston

**Amanda Anyim**  
*The Effects of Error Reduction on Step Width and Trunk Motion*  
Mentor: Dr. Jesse Dean, Department of Health Sciences and Research  
Medical University of South Carolina

**Sophia Emetu**  
*Streamlined Platform for Observing tRNA (SPOt) in Mycobacterium Smegmatis and D29*  
Mentor: Dr. Geslain, Biology Department,  
College of Charleston

Other SCAMP researchers pictured with Dr. Auerbach (far left), the Dean of the School of Science and Mathematics and Sofia Agrest (far right), the Director of SCAMP.
Community Outreach

During the 2017 Fall semester, SCAMP was involved with many community outreach projects that aim to give back to the Charleston community. SCAMPers volunteered at the Ronald McDonald House, Star Wars Reading Day, Laundry Matters, and the MUSC Urban Farm.

Top Left: SCAMP students volunteer at Laundry Matters.

Bottom Left: At the County Library, SCAMPers volunteer at the Star Wars Reading Day, helping facilitate activities for children dressed as Star Wars characters.

Top Right: SCAMP students volunteer at The Ronald McDonald House helping with basic household tasks.

Bottom Right: Aiding in upkeep and planting fruits and vegetables, SCAMPers volunteer at the MUSC Urban Farm.
Speakers

At SCAMP meetings, speakers come to present their research to educate SCAMP students on various STEM topics and expose them to the many research opportunities around them. Speakers can come from the College or the surrounding area. This semester's speakers included:

**Dr. Jennifer Wilhelm**
Associate Professor, Department of Psychology
**Research Interests:** The recovery of function after peripheral nerve injury, and how exercise modulates the expression of neurotrophins in a sex dependent manner.

**Dr. Narayanan Kuthirummal**
Professor, Department Chair, Department of Physics
**Research Interest:** Semiconducting nanomaterials for energy applications and composite polymer materials for medical applications

**Dr. Brent Munsell**
Assistant Professor, Department of Computer Science
**Research Interest:** Medical image analysis, machine learning, and computer vision.

**Dr. Martin Jones**
Professor and Co-Director, Mathematics Graduate Program
**Research Interests:** Stochastic processes, Bayesian methods and environmental statistical modeling

**Dr. Courtney Murren**
Professor, Department of Biology
**Research Interests:** Plant Ecological Genetics and Genomics: evolution of phenotypic plasticity, phenotypic integration of roots and shoots, plant responses to soil environment, T-DNA mutant phenotypes in Arabidopsis thaliana.

Multicultural Celebration

To end the semester and the year 2017, SCAMP held a Multicultural Celebration to acknowledge the diversity in the organization. Students brought various dishes that honor their cultures and students and faculty celebrated together in fellowship. SCAMP also celebrated the retirement of Dr. Lauzon, who gave countless hours and much dedication to the learning and success of multiple generations of SCAMP students.