The Louise Stokes South Carolina Alliance for Minority Participation (LS-SCAMP) has been effective in increasing the participation of underrepresented minority students in STEM disciplines. It was formed as a collaborative effort between the National Science Foundation and eight higher education institutions in SC. This summer, SCAMP welcomed twelve new students who successfully completed SPECTRA/SCAMP Bridge Program. Pictured below are two SCAMP LEADers Briana Pope and Coralys Rios with new SCAMPers: Jay Medina, Patrick O’Reilly, Tyrese Middleton, Jennie Jackson, Melanie Fischer, Jamya Brice, Kylan Young, Giuliana Monsalve, Marissa Moazariego, Marcus Benjamin, Ian Robinson, and Charlize Montenegro.

Welcome New SCAMPers!

Celebration of Summer Poster Session

The 2019-2020 Academic year kicked off with the Undergraduate Research and Creative Activities program (URCA) holding a 2019 Celebration of Scholars: Exposition of Faculty and Student Research, Scholarship and Creativity poster session for students that conducted research over the summer. Students representing SCAMP were: Amanda Guinyard, Vernon Kennedy, and Jesseca Crawford presenting research they conducted in various areas of science.
This year our beloved organization celebrates its 25th anniversary. During these years, SCAMP has supported countless minority students majoring in science disciplines throughout their undergraduate career. Through scholarships, mentorships, research opportunities, conferences and the summer bridge program, SCAMP has granted students with the tools to ensure a successful undergraduate and graduate career in the STEM field.

However, the success of this organization, would not be possible without the leadership of the SCAMP Directors: Dr. John Peters, Dr. Dinesh Sarvate, Ms. Christine Moore, and Mrs. Sofia Agrest, and the support from the School of Sciences and Mathematics and the Multicultural Program and Services. For many years, Dr. Agrest has devoted herself to assisting students in career building opportunities and reaching their full potential in the STEM field.

When senior SCAMP members Nykia King and Jasmine Shabazz were asked how the SCAMP Program has impacted them, they each raved with positivity. King stated, “SCAMP has allowed me to connect with other minority students who are interested in similar career paths as me. This gave me a huge support system that has pushed me to be a better student academically and grow on a professional level.”

In addition, Shabazz remarked, “SCAMP has allowed for me to be a part of a community of minority students engaging in the STEM field. It’s inspiring to me to see what my peers are accomplishing whether that’s having an article written about their research in National Geographic magazines, traveling to research conferences, or conducting research abroad.”

Since its launch, the SCAMP program at CofC has positively impacted approximately 300 students’ lives and careers. Over the past four years, the College has implemented a new recruitment plan for the program, which has increased the number of SCAMP students by 43 percent – from 35 students in 2015 to 50 students in 2019. (by Kassidy Sullivan)
SCAMP Annual Undergraduate Research Banquet 2019

On Wednesday October 16\textsuperscript{th}, 2019 SCAMP hosted our Annual Undergraduate Research Banquet. Seven presenters stood before faculty, COFC’s Board of Trustees, research principal investigators, and their fellow SCAMPers. As the night ensued, our presenters demonstrated their remarkable investigations into some of the most novel research areas. As summer 2020 approaches, SCAMP encourages students to explore their curiosity and share what they learn at the 2020 SCAMP Banquet.

\begin{itemize}
  \item \textbf{Faith Emetu} “Production of Desert Hedgehog in Endocardial Cells Regulates Valve Morphogenesis through a Paracrine Cross-Talk Mechanism”
  \begin{flushleft}
  Mentor: Dr. Diana Fulmer, Norris Lab, the Department of Regenerative Medicine and Cell Biology, MUSC.
  \end{flushleft}
  \item \textbf{Jabbarrius Ervin} “Characterization of Prebiotic Peptide Mixtures by MALDI-TOF Mass Spectroscopy”
  \begin{flushleft}
  Mentor: Dr. Jay Forsythe, Department of Chemistry and Biochemistry, CofC.
  \end{flushleft}
  \item \textbf{Monique Sparkman} “Mathematical and Numerical Modeling of Blood Flow: A Computational Study of Left Ventricular Assist Device”
  \begin{flushleft}
  Mentor: Dr. Alessandro Veneziani, Department of Mathematics, Emory University.
  \end{flushleft}
  \item \textbf{Toni Allison} “Caloric Load Preferentially Influences Epithelial Differentiation in the Murine Uterus”
  \begin{flushleft}
  Mentor: Dr. Christopher Kovisto, DVM, Hollings Cancer Center, MUSC
  \end{flushleft}
  \item \textbf{Vernon Kennedy} “Synaptic Reorganization after Peripheral Nerve Injury ”
  \begin{flushleft}
  Mentor: Dr. Jennifer Wilhelm, School of Humanities and Social Sciences, CofC
  \end{flushleft}
  \item \textbf{Amanda Guinyard} “Anomaly Detection in Real Time”
  \begin{flushleft}
  Mentor: Dr. Kris Gosh, Department of Computer Science, CofC
  \end{flushleft}
  \item \textbf{Jesseca Crawford} “The Effect of Intranasal Leptin Administration on Feeding Behavior and Neuronal Activation”
  \begin{flushleft}
  Mentor: Dr. Claudia Grillo, Department of Pharmacology, Physiology, and Neuroscience, School of Medicine University of South Carolina
  \end{flushleft}
\end{itemize}
SCAMP Community Outreach

SCAMP students were very busy over the Fall 2019 semester, giving back to their community. Students apart of the SCAMP program volunteered with multiple organizations within the community. The first community service event of the semester was at the Ronald McDonald House where the SCAMP scholars prepared dinner for the families staying at the Ronald McDonald House. The next two service events were with the Lowcountry Hall of Science and Math where the SCAMP scholars assisted with math and science materials and organizing the study rooms. The last community service event of the semester that SCAMP scholars participated in was with the Children’s Museum. The SCAMP students assisted by helping with the children’s grocery store and several of the other play areas located in the museum. The fall semester community was certainly rewarding and beneficial to not only the Charleston community but as well as the SCAMP scholars making strides within the community.

Speakers

SCAMP has bi-monthly meetings. A variety of guest speakers were welcomed to meetings as they provided useful information about undergraduate research, labs, and grants. This Fall, we’ve had the following speakers:

Karen Eippert: Health Professions Director
Dr. Kris Ghosh: Assistant Professor, Computer Science Dept, CofC
Dr. Andrew Clark: Associate Professor, Department of Biology, CofC
Dr. Heather Fullerton: Assistant Professor, Department of Biology, CofC
Dr. Bob Podolsky: Associate Professor, Department of Biology, CofC