

A total of 18 research proposals involving 21 students from 8 SCICU member institutions were awarded research grants totaling \$65,181 in the spring of 2021. Project research concluded in December 2021. Student researchers will present their project findings via oral/multimedia presentations or poster presentations at the SCICU Research Symposium on February 17, 2022. Listed below are the students, faculty sponsors, and the project titles for the research projects selected for funding in 2021.

Research projects completed in December 2021. Research findings will be presented at the February 2022 Research Symposium.

Institution	Student(s)	Faculty Sponsor(s)	Research Topics
Benedict College	Crysele Evans	Dr. Jessica Furrer	Connecting Sanitary Sewer Overflows with Community Health Impacts in Columbia SC
Benedict College	Krysanna Fuller	Dr. Larry Lowe	The Biochemical Characterization Lactate Dehydrogenase Activity of Low-Dose Radiation Exposure in Medaka Fish
Benedict College	Lee-Ann Pryce	Dr. Larry Lowe	Lactate Dehydrogenase as a Molecular Marker of Low-Dose Radiation Exposure in Medaka Fish
Charleston Southern University	Busola Bamidele-Oseni	Dr. Aiye Liang	Investigation of Protein-Glycosaminoglycan Interactions by Capillary Electrophoresis
Charleston Southern University	Colton Lee and Amber Alliston+A6	Dr. Joshua Wofford	Experimental and Computational Methods for Understanding Copper Import, Trafficking, and Regulation as a Systems Level Model in <i>S.cerevisiae</i>
Converse University	Paige N. Smith	Dr. Jennifer Hawk	Using Alginate GEL Formation to Remove Cobalt(II) from Contaminated Water Samples
Converse University	Terra Pettit-Bacovin	Dr. Sheri Strickland	Downstream from Myrtle Beach; an Analysis of Water Quality at Winyah Bay
Converse University	Samantha Jaccard and Madelyn Marie West	Dr. Douglas Jensen	Fern and Lycophyte Flora at Hobcaw Barony
Furman University	George NeCastro	Dr. Suresh Muthukrishnan and Dr. Greg Lewis	Impact of Land Cover and Riparian Geomorphology on Stream Water Chemistry in the Upstate of South Carolina
Furman University	Grant Richter	Dr. Timothy Hanks	Exploration of Controlled Release Properties of Electroactive Polymer Films
Newberry College	Antoinava Grant	Dr. Naomi Simmons	Understanding the Role of Intercultural Competency on the Perceptions and Interpretations of Cultural Heritage at Hobcaw Barony
Presbyterian College	Liliana Jaraczewski and Sara Martinez+A15	Dr. Latha Gearheart	Effect of Gold and Silver Nanoparticles on the Drying Process of Paint Components
Southern Wesleyan University	Bethannie Perrine	Dr. Jeffrey Mohr	Study of Northern and Midland Watersnakes in a Pond Ecosystem
Southern Wesleyan University	Taylor Broadwell	Dr. Tingting Hann	Antimicrobial Activity in Plants of Traditional Chinese Medicine
Wofford College	Carson Harrell	Dr. Ramin Radfar	Purification and Crystallization of Chicken Liver γ -Enolase
Wofford College	Ethan DiBlasio	Dr. Robert J. Harris	Developing a Zinc-Based Catalyst for Intermolecular Hydroamination