

A total of 19 research proposals involving 21 students from six SCICU member institutions were awarded research grants totalling \$67,854 in the spring of 2020. Project research concluded in December 2020. Student researchers will present their findings at the SCICU Research Symposium on February 18, 2021 – SCICU’s first-ever virtual symposium co-hosted by Converse College. Listed below are the students, faculty sponsors, and the project titles for the research projects selected for funding in 2020. Due to COVID-19 issues, five research projects funded for students at Clafin, Converse, Furman, and Newberry (combined funding of \$17,929) were postponed until the 2021 research year.

Research projects completed in December 2020. Research findings will be presented at the February 2021 Research Symposium.

Institution	Student(s)	Faculty Sponsor(s)	Research Topics
Clafin University	Shone Nairn	Dr. Brandon Yarborough	Intervene with Green: A New “Green Chemistry” Lab Experiment Centered on Recycling, Renewable Fuels, and Sustainability
Clafin University	Chris Etteh	Dr. Brandon Yarborough	Natural Products in the Chistry Lab: Extraction of an Indicator Pigment from Turmeric
Coker University	Hunter Johnson	Dr. Sami Varjosaari	Silantrane Assisted Deoxygenation of alcohols: Replacing Oxygens with Chlorine in Small Organic Molecules
Coker University	Dezmon L. Patten	Dr. Ze Zhang	Object Recognition: With A1 Deep Learning
Coker University	Chelsa Sellers	Dr. Rhonda Knight	Examples of Female Leadership in Ovid’s Metamorphoses and Heroides
Converse College	Jordyn Welcher, Emilee Wolfe	Dr. William Case, Dr. Mary Carlisle	Examining Rare Earth Elements as Alternative Colorants in Glaze Chemistry: A Safer, Vibrant Alternative for Ceramicists
Converse College	Alyia Bryant	Dr. Abreeotta Williams	Effects of Broad Spectrum Antibiotic on Reniform Mematode, Rotylenchulus reniformis
Converse College	Phylicia Allen	Dr. Edna Steele	Does Exposure to Sublethal Concentrations of Glyphosate and 2,4-D Induce Oxidative Stress in Eisenia fetida?
Converse College	Ahdiayah Horton	Dr. Siegwart Reichwald	Mendelssohn Unfinished: An In-Depth Analysis of Felix Mendelssohn’s String Quintet, Op. 87
Furman University	Lauren Leach	Dr. Wade Worthen	A Description of the Insect Communities Exploring Large Mammal Carcasses in the Desert Southwest
Furman University	Andrew Freeland	Dr. Suresh Muthukrishnan	Improving Productivity of Farms Using Drones and Data Analysis
Furman University	Margaret Scapellato	Dr. Onarae Rice	Can Blocking the Brains Dopamine D3 Receptor Prevent the Development of PTSD in Rodents?
Southern Wesleyan	Emily Corriher, Haley McLaughlin	Dr. Staci Johnson	Effect of a High-Fat Diet on the Reproductive System of Female Sprague-Dawley Rats
Southern Wesleyan	Dar’ia Chastain	Dr. Jeffrey Mohr	Habitat Use of the Northern Watersnake Along a Riverine System at Table Rock State Park
Wofford College	Erin Mancini	Dr. Karen Goodchild	How are Prints Made?: Global and Historical Approaches to Printmaking
Wofford College	Rachael Karriker	Dr. Lori Cruze	Population Dynamics and Reproduction Biology of the Carolina Wren
Wofford College	Emily Rea	Dr. Geoffrey Mitchell	Does Ingestion of Micrplastics Make Cnidarians More Susceptible to Bleaching?
Wofford College	Hannah Scott	Dr. Jeremy Morris	Musculoskeletal Traits Associated With a Functional Trade-off Between Running Efficiency and Physical Competitive Ability in Male House Mice
Wofford College	Blair Brawley	Dr. Ramin Radfar	Structure, Function, and Diseases Associated with G6PD Deficiency