

SCICU Undergraduate Research Program Projects Funded For Research in 2019

School	Student Researcher(s)	Faculty Sponsor(s)	Research Project Focus
Anderson University	Anna Clark, Eli Goodwin, CheyAnn Strasinger	Dr. Travis Nation and Dr. Robert Franklin	The Brain in Nature: The neural Correlates and Mechanisms Related to Experiencing Nature
Coker College	Annie Nicole Hinson	Dr. Maria V. Avanzato	Antifungal Properties of Vegetative and Reproductive Structures of <i>Metasequoia glyptostroboides</i> Against <i>Candida glabrata</i> and <i>Candida albicans</i>
Coker College	Kayla Baldwin, Seraphin Kibonge	Dr. Joseph Flaherty	Comparing Alleles of the MAO-N Gene of <i>Aspergillus niger</i>
Columbia College	Emma Russell	Dr. Adrienne Oxley	Exploring the Advantages and Disadvantages of Using ZnSe as Novel Antennae for Luminescent Lanthanides
Columbia College	Nomindari Bayaraa	Dr. Adrienne Oxley	Analysis of Polycyclic Aromatic Hydrocarbons Contamination of <i>Corbicula fluminea</i> and Surface Sediment from the Congaree River
Columbia College	Tori Peacock	Dr. Jessica Allen	Immune Priming via Oral Delivery and Septic Prick in <i>Drosophila melanogaster</i> using <i>Serratia marcescens</i>
Columbia College	Bethany Stokes	Dr. AnnMarie Knight	Improving Communication Between Hospitality Service Personnel and Persons with Aphasia: A Pilot Study
Columbia College	Abigail Tempel	Dr. AnnMarie Knight	Neuroanatomy and Neuroscience Education in Speech-Language Pathology Opinions of Practicing Clinicians
Converse College	Isabel Fangman	Dr. Jennifer Hawk	Analyzing the Seasonal Change of Heavy Metal Sediment Content in Winyah Bay at Hobcaw Barony Heritage Preserve
Converse College	Zoe Kushubar	Dr. Siegwart Reichwald	Clara Schumann's Magnum Opus: Evolution and Meaning in Her Piano Trio in G Minor, Op. 17
Converse College	Hayley Cromer	Dr. Peter Brown	Sound-Graphics: Making Graphical Computing Accessible to Blind Programmers
Furman University	Caleb Roberson	Dr. Phillippe Giabbanelli	Are Neural Networks the Best Way to Analyze Public Health Datasets?
Furman University	Richard Fravel, Connor Horne	Dr. Wade Worthen	Habitat Determinants of Dragonfly Diversity and Abundance: From Local to Landscape Scales
Furman University	Alissa Rivers	Dr. Alexander Francis-Ratte	Reconstruction of Proto-Japano-Koreanic Language
Furman University	Noah Johnson	Dr. Chris Alvin	A Recommender System for Walt Disney World Hotels
Furman University	Haley Disinger	Dr. Joseph Pollard	Herbarium and Field Studies of Central American Metal-Hyperaccumulating Plants
Furman University	Jillian Padgett	Dr. John Armstrong	Local Signals and Local Voices: South Carolina's Early Radio Stations
Furman University	Carolina Wolcott	Dr. C. Brannon Andersen	Soil Quality of Farms in Bellbird Biological Corridor, Costa Rica
Furman University	Riley Burr	Dr. Kelsey Hample	Comparing the Decay of Positive and Negative Reciprocity
Newberry College	Calesta Grooms	Dr. Naomi Simmons	Social Media/Screen Exposure and its Association to Mental Health
Presbyterian College	Sarah Smith	Dr. Austin Shull	Evaluating the metastatic potential of Breast Cancer Cells Using Chick Embryo Chorioallantoic Membrane (CAM) Transplantations
Southern Wesleyan University	Jessica Sparks	Dr. Staci Johnson	The Effect of Glyphosate-Containing Herbicides on Neuronal Development Modeled in <i>C.elegans</i>
Voorhees College	Lauren Kennedy	Dr. Alexander Proctor	Community-Based Interventions to Reduce BMI and Infant Mortality in Women Ages 18-40 in the Bamberg Area of South Carolina
Voorhees College	Denise Freeman	Dr. Zhabiz Golkar	Novel Technology to Develop Chimeras to Produce More Potent Antibiotics Effective Against MRSA and Other Multi-drug resistant Microorganisms
Voorhees College	Dawn Freeman	Dr. Zhabiz Golkar	Comparative Genomics & Evolutionary Analysis of Confirmed CRISPR Loci in 20 Strains of <i>Staphylococcus aureus</i>
Wofford College	Maddie Schutte	Dr. Katherine Steinmetz	Examining Homonal and Electrophysiological Changes Evoked by Emotional Stimuli
Wofford College	David Hickman	Dr. Jeremy Henkel	Can Buddhist Nominalism Help to Explain Mathematical Non-Realism?
Wofford College	Daniela Samaniego-Gonzalez	Dr. Ramin Radfar	Extraction, Purification, and Kinetic Properties of Nickel-Containing Enzyme Urease