

**Office of VP for Research
IT and Data Management Office**

Arnold School of Public Health

Applied Research & Evaluation (CARE)

Workman, Lauren

Title: Sari Center Evaluation

Sponsor: Sari Asher Center for Integrative Cancer Care

Total Projected: \$18,914

Project Years: 1

Title: SC MIECHV FY25 Coordinated State Evaluation (2025-2027)

Sponsor: Children's Trust of South Carolina/HRSA

Total Projected: \$178,747

Project Years: 2

Center for Community Health Alignment

Holderby-Fox, Lisa Renee

Title: Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health; CDC-RFA-PW-24-0080 Category B, Strategy 1

Sponsor: State of Wisconsin Department of Health Services/HHS

Total Projected: \$45,000

Project Years: 1

Epidemiology & Biostatistics

Kanyangarara, Mufaro

Title: Foreign Subaward Component (Center for Learning and Childhood Development - Ghana) of 10014311 - Enhancing the Survival of Low Birth Weight Infants in Low Resource Settings using an Implementation Science Approach

Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH

Total Projected: \$40,068

Project Years: 1

Office of VP for Research IT and Data Management Office

Health Prom., Educ. & Behavior

Bornstein, Marta

Title: *Ohio Policy Evaluation Network (OPEN)*

Sponsor: University of Cincinnati/Anonymous (Non-Profit)

Total Projected: \$30,279

Project Years: 1

Ghattas, Hala

Title: *Supplement 2 (to 10014871): Nutrition environment assessment and nutritional status of school-aged children in Jordan*

Sponsor: United Nations Children's Fund (UNICEF)

Total Projected: \$11,130

Project Years: 1

Rebar, Amanda

Title: *Open(ing up) goals in physical activity: What works, when, and for whom?*

Sponsor: Southern Cross University/Australian Research Council

Total Projected: \$15,621

Project Years: 2

Health Services Policy & Mgmt

Andrews, Christina

Title: *South Carolina Center for Excellence in Addiction*

Sponsor: South Carolina Opioid Recovery Fund (SCORF)/DAODAS

Total Projected: \$316,050

Project Years: 1

Title: *South Carolina Center for Excellence in Addiction – General Assembly Continuation*

Sponsor: SC Department of Alcohol & Other Drug Abuse Services (DAODAS)/General Assembly

Total Projected: \$101,233

Project Years: 1

Office of VP for Research IT and Data Management Office

Chen, Brian

Title: Personalized Auricular Point Acupressure Self-Management for Chronic Pain in Rural Populations

Sponsor: UTHealth at Houston/NCCIH/NIH

Total Projected: \$43,852

Project Years: 4

Crouch, Elizabeth

Title: MIECHV Program: FY 2025 Non-Competing Continuation Subaward from Children's Trust of SC

Sponsor: Children's Trust of South Carolina/HRSA

Total Projected: \$359,924

Project Years: 2

Olatosi, Bankole

Title: Investigating and Addressing Modifiable Factors in the HIV Care Continuum for People with HIV (PWH) affected by Substance Use and Mental Health

Sponsor: National Institute on Drug Abuse (NIDA)/NIH

Total Projected: \$3,093,665

Project Years: 5

PASOS

Lubov, Mayra

Title: PASOs/Children's Trust- MIECHV Programs Support

Sponsor: Children's Trust of South Carolina/HRSA

Total Projected: \$25,000

Project Years: 1

Title: PASOs Greenwood Genetics- Folic Acid project

Sponsor: Greenwood Genetic Center

Total Projected: \$26,000

Project Years: 1

**Office of VP for Research
IT and Data Management Office**

College of Education

Research, Eval., & Measurement

Leighton, Elizabeth

Title: Evaluation of the South Carolina Association of Certified Public Accountants (SCACPA) Educational Fund's Collaborative Dual Enrollment Program.

Sponsor: South Carolina Association of Certified Public Accountants (SCACPA)

Total Projected: \$10,000

Project Years: 1

Lewis, Ashlee

Title: Evaluation Partnership with ArtsNOW Arts for Learning (2026)

Sponsor: ArtsNOW (ArtsNOW Learning)

Total Projected: \$50,000

Project Years: 1

Teacher Education

Whitworth, Brooke

Title: Building Leadership among Science Teachers in Rural Regions: Designing, Developing, and Implementing a Science Teacher Leadership Academy

Sponsor: National Science Foundation (NSF)

Total Projected: \$2,896,658

Project Years: 4

College of Pharmacy

Drug Discovery & Biomed Sci.

McInnes, Campbell

Title: Developing novel LOX inhibitors to target chemotherapy resistant TNBC

Sponsor: Loxigen, Inc./NCI/NIH

Total Projected: \$155,371

Project Years: 1

**Office of VP for Research
IT and Data Management Office**

College of Social Work

Families in Society, Institute

Lopez-DeFede, Ana

Title: An Examination of the South Carolina Health Care Safety Net, Now and in the Future

Sponsor: BCBS of SC Foundation

Total Projected: \$150,000

Project Years: 2

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

Title: Greenville Area Development Corporation: Economic Impact Analysis

Sponsor: Greenville Area Development Corporation (GADC)

Total Projected: \$57,000

Project Years: 1

Title: SCDE - Economic Impact Analysis (2026)

Sponsor: SC Department of Education (SCDE)

Total Projected: \$44,000

Project Years: 1

Title: U.S. Performance Center - Economic Impact Analysis

Sponsor: North Carolina World Military Games LOC, LLC

Total Projected: \$43,000

Project Years: 1

Title: Midlands Regional Competitiveness Council: 2025-2026 Competitiveness Report

Sponsor: Midlands Regional Competitiveness Council (MRCC)

Total Projected: \$25,000

Project Years: 1

**Office of VP for Research
IT and Data Management Office**

Hosp., Retail, & Sport Mgmt

Retailing

Rana, Md. Rafiqul Islam

Title: *Cotton in the Digital Age: Advancing Cotton Sustainability through Technology-Driven Learning*

Sponsor: Cotton Incorporated

Total Projected: \$23,000

Project Years: 1

Joseph F. Rice School of Law

Children's Law Center

Black, Shelandra

Title: *FY26 Safeguarding Our Youth: A Collaborative Blueprint for Deflection and Recovery*

Sponsor: Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ

Total Projected: \$375,689

Project Years: 1

Title: *FY26 Understanding Section 223(a)(11)(B) of the Juvenile Justice and Delinquency Prevention Act (JJDP) and its Compliance in South Carolina*

Sponsor: Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ

Total Projected: \$107,582

Project Years: 1

Law - Dean's Office

McGough, Maureen

Title: *Building Officer Resilience to Trauma and Improving Mental Health Outcomes: The Require4 Training Program for South Carolina Law Enforcement – Program Expansion*

Sponsor: Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ

Total Projected: \$307,580

Project Years: 1

**Office of VP for Research
IT and Data Management Office**

Koger Center

Koger Center

Terracio, Nathan

Title: South Carolina Arts Commission General Operating Support

Sponsor: SC Arts Commission

Total Projected: \$29,889

Project Years: 1

McCausland College of Arts and Sciences

Biological Sciences

LoPresti, Eric

Title: (PI: Kiley Stoj) Population demography of the last populations of the Yellowstone sand verbena (*Abronia ammophila*)

Sponsor: Meg and Bert Raynes Wildlife Fund

Total Projected: \$2,582

Project Years: 1

Speiser, Daniel

Title: Shock Wave Damping Helmets of Snapping Shrimp: Microstructure, Dynamic Responses, and Cellular-level Protection

Sponsor: University of Tulsa/AFOSR/DOD

Total Projected: \$151,480

Project Years: 3

Chemistry & Biochemistry

Shustova, Natalia

Title: SMART-U: Stimulus-adaptive Materials Advancing Research Training for Undergraduates

Sponsor: SC EPSCoR

Total Projected: \$24,648

Project Years: 1

Office of VP for Research IT and Data Management Office

Simoska, Olja

Title: *From Pulsed Electrodeposition to Pedagogical Impact: Advancing Nanomaterials Science and Research-Based Learning in Electrochemistry*

Sponsor: Research Corporation for Science Advancement (RCSA)

Total Projected: \$120,000

Project Years: 3

Colorectal Cancer Prevention Network

Thibault, Annie

Title: *Collaboration with SC DPH to Increase Colorectal Cancer Screening Rates*

Sponsor: SC Department of Public Health (DPH)/CDC/HHS

Total Projected: \$180,000

Project Years: 2

Criminology & Criminal Justice

Alpert, Geoffrey

Title: *Evaluating the Effects of Pursuit Policy Changes - Planning Grant*

Sponsor: Clemson University/Arnold Ventures, LLC

Total Projected: \$58,492

Project Years: 1

Geography

Wang, Sicheng

Title: *AI-Driven Burnout Detection in Nursing: A Comprehensive System Integrating Biometric Wearables, Geographic-Environmental Mood Tracking, and Real-Time Chatbot Interventions*

Sponsor: USC Educational Foundation/The Duke Endowment

Total Projected: \$485,000

Project Years: 3

Office of VP for Research IT and Data Management Office

History

Donaldson, Bobby

Title: CPF-Center for Civil Rights - FY23

Sponsor: US Department of Housing and Urban Development (HUD)

Total Projected: \$1,500,000

Project Years: 8

Title: CPF-Center for Civil Rights - FY24

Sponsor: US Department of Housing and Urban Development (HUD)

Total Projected: \$1,050,000

Project Years: 8

Matthews, Marty

Title: Celebrating the 250th Anniversary of the United States of America: Creating and Sustaining Access to Founding Era / Early Republic Primary Sources

Sponsor: University of Virginia/NEH

Total Projected: \$628,325

Project Years: 5

Physics & Astronomy

Crawford, Thomas

Title: Collaborative Research: Dynamic reversal phenomena in advanced magnetic nanostructures

Sponsor: National Science Foundation (NSF)

Total Projected: \$532,285

Project Years: 4

Kulkarni, Varsha

Title: Unique insights into the chemical composition of interstellar silicate dust grains in the Milky Way

Sponsor: Space Telescope Science Institute (STScI)/NASA

Total Projected: \$62,932

Project Years: 3

**Office of VP for Research
IT and Data Management Office**

Molinaroli College of Engineering & Computing

Chemical Engineering

Regalbuto, John

Title: MRI: Track 1 Acquisition of a Near Ambient Pressure X-Ray Photoelectron Spectroscopy (NAP-XPS) System for Research and Teaching at the University of South Carolina

Sponsor: National Science Foundation (NSF)

Total Projected: \$1,395,900

Project Years: 3

Ritter, James

Title: Evaluation of Adsorbents for Hydrocarbon Adsorption

Sponsor: Coldstream Energy, LLC

Total Projected: \$230,000

Project Years: 1

Civil & Environmental Eng.

Imran, Jasim

Title: RII Track 2 FEC: A Scalable Digital Twin for Urban Flood Infrastructure Resilience

Sponsor: SC EPSCoR

Total Projected: \$7,500

Project Years: 1

Computer Science & Engineering

Bakos, Jason

Title: Data Analysis and Modeling by Machine Learning

Sponsor: Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE

Total Projected: \$174,999

Project Years: 1

**Office of VP for Research
IT and Data Management Office**

Electrical Engineering

Nasiri, Adel

Title: *Medium-voltage AC-to-DC Versatile Energy Router with Integrated Conversion (MAVERIC)*

Sponsor: Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE

Total Projected: \$558,008

Project Years: 2

Mechanical Engineering

Downey, Austin

Title: *EXCELLENCE in RESEARCH: Real-Time Monitoring and Structural Validation for Continuous Fiber Printing*

Sponsor: Benedict College/NSF

Total Projected: \$125,000

Project Years: 3

Title: *Real-Time Topology-Aware Artificial Intelligence for Tire Health Monitoring Systems with Soft Sensor Array*

Sponsor: NC Agricultural & Technical State University/FMCSA/DOT

Total Projected: \$300,000

Project Years: 2

Sockalingam, Subramani

Title: *DURIP Robotic Automated Fiber Placement for Fabrication of Next Generation Meso-Architected Composite Armor Materials*

Sponsor: Department of Defense (DOD)

Total Projected: \$309,364

Project Years: 1

**Office of VP for Research
IT and Data Management Office**

School of Medicine

MSC Nurse Anesthesia

LeBlanc, Kevin

Title: Nurse Anesthesia Program Florence Campus Expansion

Sponsor: Pee Dee Medical and Health Science Education Consortium
(PDMHSEC)/SCDHHS

Total Projected: \$197,750

Project Years: 1

Pediatrics

Stephenson, Kathryn

Title: Strengthening the Carolina's Collaborative to Address Disparities in Child Mental Health Across the Carolinas

Sponsor: Prisma Health - Midlands/Institute for Child Success

Total Projected: \$20,000

Project Years: 1

Pharm., Physiology & Neuroscience

Smiley, Cora

Title: Noradrenergic mechanisms underlying stress-induced opioid reinstatement

Sponsor: National Institute on Drug Abuse (NIDA)/NIH

Total Projected: \$384,938

Project Years: 2

**Office of VP for Research
IT and Data Management Office**

University of SC Aiken

AK School of Education

Beck, Judy

Title: ATE Faculty Fellowship

Sponsor: Association of Teacher Educators (ATE)

Total Projected: \$3,000

Project Years: 1

University of SC Beaufort

BFT History

Shinn, James

Title: SC State Historical Records Advisory Board Grant

Sponsor: SC Department of Archives & History (SCDAH)/NHPRC/NARA

Total Projected: \$1,000

Project Years: 1