

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

Academic Support Services

OFFICE OF SUSTAINABILITY

Cook, Larry

Title: SC DES Collegiate Recycling Grant for Fiscal Year 2026

Sponsor: SC Department of Environmental Services (DES)

Total Projected: \$10,000

Project Years: 1

Arnold School of Public Health

Applied Research & Evaluation (CARE)

Gillam, Pamela

Title: Implementation of a Statewide CHNA/CHIP Learning Collaborative

Sponsor: Alliance for a Healthier South Carolina (The Duke Endowment c/o AHSC)

Total Projected: \$368,624

Project Years: 3

Epidemiology & Biostatistics

Boghossian, Nansi

Title: NEST: Neonatal Excellence in Supporting Transitions

Sponsor: USC Educational Foundation/The Duke Endowment

Total Projected: \$572,000

Project Years: 3

Merchant, Anwar

Title: The ANTENATAL Study: An ecoNomic evaluaTion of pERiodontal treatmeNt in pregnAnt women and identification of responders to Treatment using mAchine Learning

Sponsor: National Institute of Dental and Craniofacial Research (NIDCR)/NIH

Total Projected: \$1,839,130

Project Years: 4

**Office of VP for Research
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Health Prom., Educ. & Behavior

Frongillo, Edward

Title: Food Safety Experiences Scale Phase 2

Sponsor: International Food Policy Research Institute

Total Projected: \$49,989

Project Years: 1

College of Education

Educational & Developmental Science

Guest, Jessie

Title: From Classroom to Living Room: Equipping School-Based Mental Health Professionals to Support Aiken County Students and their Families

Sponsor: USC Educational Foundation/The Duke Endowment

Total Projected: \$636,000

Project Years: 3

Physical Education

Stodden, David

Title: (Grad Student Award: Ozgur Altintas) Assessment for Physical Education (PE) in K-12 Educational Settings: A Cross-Sectional Study

Sponsor: International Motor Development Research Consortium

Total Projected: \$1,000

Project Years: 1

Research, Eval., & Measurement

Lewis, Ashlee

Title: Evaluation of Arts Grow SC 25-26 (FY26)

Sponsor: SC Arts Commission

Total Projected: \$275,000

Project Years: 1

**Office of VP for Research
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Teacher Education

Muller, Meir

Title: *Claiming Space: Establishing the Jewish Scholars and Scholarship in Education SIG at AERA*

Sponsor: Academic Engagement Network

Total Projected: \$10,000

Project Years: 1

College of Nursing

Biobehavioral Health & Nursing Science

Newman, Susan

Title: *Advancing Disability Inclusion in Nursing (ADIN): Building Capacity for Education and Employment Pathways*

Sponsor: USC Educational Foundation/The Duke Endowment

Total Projected: \$669,000

Project Years: 3

Office of Research - Nursing

Magwood, Gayenell

Title: *South Carolina Clinical & Translational Research Institute (SCTR)*

Sponsor: Medical University of South Carolina (MUSC)/NIH

Total Projected: \$601,293

Project Years: 7

**Office of VP for Research
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College of Pharmacy

Drug Discovery & Biomed Sci.

Buckhaults, Phillip

Title: COVID19 and the Molecular Determinants of Genome Integrity over Human Lifespan

Sponsor: USC Educational Foundation/Kanro Ltd, d.b.a. Kanro Filantropic Fund

Total Projected: \$233,000

Project Years: 1

Pharm - Clin Pharm & Outcomes Sciences

Cai, Chao

Title: AI-Enabled Models for Predicting Cardiac Events in Patients on QT-Prolonging Medications

Sponsor: SC EPSCoR

Total Projected: \$70,000

Project Years: 2

College of Social Work

Child and Family Studies, Center for

Brown Gamble, Shena

Title: Advanced Child Welfare Training for the South Carolina Department of Social Services

Sponsor: SC Department of Social Services (DSS)

Total Projected: \$482,715

Project Years: 1

**Office of VP for Research
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Social Work - Dean's Office

Baughman, Amber

Title: SCDSS Evaluation and Other Research Contract

Sponsor: SC Department of Social Services (DSS)

Total Projected: \$95,305

Project Years: 1

Iachini, Aidyn

Title: Rural Occupations Workforce Expansion (ROWE): Development, Implementation, and Evaluation of the ROWE Community Scholars and ROWE Practitioner Initiatives

Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS

Total Projected: \$200,000

Project Years: 2

Xu, Yanfeng

Title: Strengthening mental health provider capacity to provide trauma-informed, resiliency-based, and family-centered telemental health services to children and youth involved in the child welfare and juvenile justice systems in rural South Carolina: An artific

Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS

Total Projected: \$100,000

Project Years: 1

Darla Moore School of Business

Moore Sch - Div. of Research

Savage, Jeffrey

Title: CuffMate - VentureWell Program Application

Sponsor: National Collegiate Investors & Innovators Alliance (NCIIA) d/b/a VentureWell

Total Projected: \$5,000

Project Years: 1

Office of VP for Research IT and Data Management Office

Von Nessen, Joseph

Title: Laurens County Development Corporation: Economic Impact Analysis

Sponsor: Laurens County Development Corporation

Total Projected: \$77,550

Project Years: 1

Small Business Dev. Ctr.

Abraham, Michele

Title: South Carolina Department of Commerce Award Fiscal Year 2025-2026 - (State Director's Office)

Sponsor: SC Department of Commerce (SCDOC)

Total Projected: \$1,000,000

Project Years: 1

Enrollment Management

TRIO Programs

Counts, Althea

Title: Student Support Services Program

Sponsor: US Department of Education (USDE)

Total Projected: \$2,070,255

Project Years: 5

Koger Center

Koger Center

Magradey, Karen

Title: Barrier Free Arts SC - Koger Center for the Arts

Sponsor: South Carolina Arts Commission

Total Projected: \$3,500

Project Years: 1

**Office of VP for Research
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McCausland College of Arts and Sciences

Archaeology & Anthropology

King, Adam

Title: Roper Mountain Science Center Testing Project

Sponsor: Roper Mountain Science Center - Greenville County Schools

Total Projected: \$17,983

Project Years: 1

Biological Sciences

LoPresti, Eric

Title: Collaborative Research: Research Infrastructure: Bringing historic collections into the 21st century: Digitization of Southeastern Lepidopteran collections

Sponsor: National Science Foundation (NSF)

Total Projected: \$197,825

Project Years: 2

Poulain, Fabienne

Title: Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting

Sponsor: National Institute of Neurological Disorders & Stroke(NINDS)/NIH

Total Projected: \$766,787

Project Years: 2

Chemistry & Biochemistry

Chen, Yan-Hua

Title: Enhanced Understanding of Sandy Run Hide Using Biochemical and Morphological Approaches

Sponsor: Devro, Inc.

Total Projected: \$27,200

Project Years: 1

**Office of VP for Research
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Tang, Chuanbing

Title: All Biobased Polyphenol-Derived Adhesives

Sponsor: National Science Foundation (NSF)

Total Projected: \$480,000

Project Years: 3

Title: Engineering Cationic Metallopolymers to Potentiate Antibiotics via Multiple Mechanisms

Sponsor: National Institute of Biomedical Imaging and Bioengineering (NIBIB)/NIH

Total Projected: \$2,110,560

Project Years: 4

Mathematics

Luo, Ruth

Title: Extremal problems related to cycles and spanning structures in graphs and hypergraphs

Sponsor: National Science Foundation (NSF)

Total Projected: \$182,492

Project Years: 3

Thorne, Frank

Title: Fourier Analysis in Arithmetic Statistics

Sponsor: National Science Foundation (NSF)

Total Projected: \$263,153

Project Years: 3

Vasquez, Paula

Title: DMS/NIGMS 2: Quantitative understanding of micellar behavior as drug delivery systems - Collaborative Research

Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH

Total Projected: \$989,554

Project Years: 4

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Psychology

McDaniel, Heather

Title: *An Integrative Data Analysis of the Coping Power Program: Exploration of Academic Outcomes, Subgroup Effects, Mechanisms, and Implementation Factors*

Sponsor: University of Virginia/USDE

Total Projected: \$100,015

Project Years: 1

McQuillin, Samuel

Title: *Development and Evaluation of a Professional Certificate in Youth Mentoring*

Sponsor: Friends of the Children/OJJPD/DOJ

Total Projected: \$100,000

Project Years: 1

School of Earth, Ocean & Env.

Bizimis, Michael

Title: *Radiogenic Isotope and Platinum Group Element Analysis by the Center for Elemental Mass Spectrometry (CEMS) Services for the USGS*

Sponsor: US Geological Survey (USGS)/DOI

Total Projected: \$18,850

Project Years: 2

Romero, Isabel

Title: *Surveillance of Pollution from Emerging Chemical Threats in Tampa Bay*

Sponsor: University of South Florida/NOAA

Total Projected: \$107,584

Project Years: 1

**Office of VP for Research
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Molinaroli College of Engineering & Computing

Chemical Engineering

Gower, R. Michael

Title: IPA (Regina Aramburo Williams) to support project number I01RX004564-01A2.

Sponsor: WJB Dorn VA Medical Center/VA

Total Projected: \$86,926

Project Years: 2

Peng, Zhenmeng

Title: Collaborative Research: FEC: Tri-State Collaborative for Defluorination of Per- and Polyfluoroalkyl Substances (PFAS)

Sponsor: National Science Foundation (NSF)

Total Projected: \$1,200,000

Project Years: 4

Mechanical Engineering

Barazanchy, Darun

Title: ATI - Thermoplastic Induction Welding Repair

Sponsor: Advanced Technology International (ATI)/DOD

Total Projected: \$773,862

Project Years: 2

De Backer, Wout

Title: Small Satellite Summer School (S4) - USC Ground Station

Sponsor: Coastal Carolina University/SCRA

Total Projected: \$8,000

Project Years: 1

Office of VP for Research IT and Data Management Office

Gray, Joshua

Title: Measuring Mass Flow of Hydrogen Isotopes Research

Sponsor: Savannah River Nuclear Solutions/DOE

Total Projected: \$96,159

Project Years: 1

Ling, Yue (Stanley)

Title: Collaborative Research: CDS&E: Data-driven next-generation Lagrangian models for swarms of deforming and interacting droplets

Sponsor: National Science Foundation (NSF)

Total Projected: \$329,976

Project Years: 3

School of Medicine

Basic Science Research

Toriello, Paul

Title: Rural Resilience Clinic: Filling the Service Gaps to Promote Adolescent Mental Health

Sponsor: USC Educational Foundation/The Duke Endowment

Total Projected: \$573,000

Project Years: 3

Family & Preventive Medicine

Humphrey, Mark

Title: Prisma Health/UofSC School of Medicine Columbia Preventive Medicine Residency Program Public and Rural Health Training (CRPH Agreement Renewal Application)

Sponsor: SC Center for Rural and Primary Healthcare/SCDHSS

Total Projected: \$78,124

Project Years: 2

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Genetics

Edwards, Janice

Title: Huntington's Disease Society of America (HDSA) Center of Excellence , Level 2

Sponsor: Prisma Health-Midlands/Huntington's Disease Society of America

Total Projected: \$5,001

Project Years: 1

Internal Medicine

Ahuja, Divya

Title: REACH: Rural Re-Engagement and Care using Community Health Workers for Persons with HIV

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

Total Projected: \$214,860

Project Years: 3

Al-hasan, Majdi

Title: Housing First Program for Persons with Disabilities

Sponsor: City of Columbia

Total Projected: \$280,000

Project Years: 1

Title: Title: Continuation: Antimicrobial Stewardship Collaborative of SC (ASC-SC)

Sponsor: Prisma Health - Midlands/SCCRPH/SCDHHS

Total Projected: \$338,607

Project Years: 2

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MDC Ctr Disability Resources

Rotholz, David

Title: SC Developmental Disability Council Professional Services

Sponsor: SC Developmental Disability Council/ACL/HHS

Total Projected: \$33,772

Project Years: 1

Path, Microbio. & Immunology

Oskeritzian, Carole

Title: Unraveling FcepsilonRI-independent regulation of mast cell functions by the ITCH ubiquitin ligase

Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH

Total Projected: \$409,750

Project Years: 2

Pediatrics

Roberts, Carla

Title: Sickle Cell Disease Center of Excellence

Sponsor: Prisma Health - Upstate/SCDPH

Total Projected: \$45,172

Project Years: 2

Pharm., Physiology & Neuroscience

Reagan, Lawrence

Title: IPA for Dr. Claudia Grillo

Sponsor: WJB Dorn VA Medical Center/VA

Total Projected: \$84,680

Project Years: 2

**Office of VP for Research
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Wood, Susan

Title: IPA Shannon Harrington -- Neural Regulation of susceptibility to hyperarousal

Sponsor: WJB Dorn VA Medical Center/VA

Total Projected: \$161,856

Project Years: 2

Title: IPA Fiona Hollis -- Neural Regulation of susceptibility to hyperarousal

Sponsor: WJB Dorn VA Medical Center/VA

Total Projected: \$23,573

Project Years: 1

Title: IPA Lawrence Reagan -- Neural Regulation of susceptibility to hyperarousal

Sponsor: WJB Dorn VA Medical Center/VA

Total Projected: \$14,946

Project Years: 1

School of Medicine (Grvl)

Medicine Greenville

Springhart, Jennifer

Title: University of South Carolina School of Medicine- Greenville

Sponsor: Medical College of Wisconsin - Kern National Network for Flourishing in Medicine/Kern Family Foundation, Inc.

Total Projected: \$3,500

Project Years: 1

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University of SC Beaufort

BFT Natural Sciences

Pettay, Daniel

Title: Determining bacteria and turbidity sources to inform management and outreach across the Edisto Island Watershed.

Sponsor: Clemson University/SC Sea Grant Consortium/DOC/NOAA

Total Projected: \$24,741

Project Years: 2

University of SC Upstate

UPS INSTIT EFFECTIVENESS & RESEARC

Karls, Amanda

Title: FY26 DES Collegiate Recycling Grant

Sponsor: Office of Solid Waste Reduction and Recycling - SC Department of Environmental Services (SCDES)

Total Projected: \$10,000

Project Years: 1