

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

Academic Support Services

OFFICE OF SUSTAINABILITY

Cook, Larry

Title: Osprey Initiative, LLC Litter Gitter Agreement

Sponsor: Osprey Initiative, LLC

Total Projected: \$2,500

Project Years: 1

Arnold School of Public Health

Communication Sci & Disorders

Arjmandi, Meisam

Title: Analysis of Speech Perception Errors for Personalized Cochlear Implant Programming and Improved Speech Recognition

Sponsor: American Speech-Language-Hearing (ASH) Foundation

Total Projected: \$50,000

Project Years: 1

Environmental Health Sciences

Baalousha, Mohammed

Title: Spatial Variability and Physicochemical Characterization of Wildland-Urban Interface Ash and Indoor Dust from Los Angeles Fires

Sponsor: Rutgers University/Chemical Safety Research Institute (CIRI) of Underwriters Laboratories Inc. (d/b/a UL Research Institutes)

Total Projected: \$45,000

Project Years: 2

**Office of VP for Research
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Epidemiology & Biostatistics

Perumal, Nandita

Title: Vulnerable Newborn Pooled Analysis (Subcontract to John Hopkins University)

Sponsor: John Hopkins University/Gates Foundation

Total Projected: \$5,000

Project Years: 1

Exercise Science

Fairman, Ciaran

Title: Exercise Medicine in Cancer Research

Sponsor: Prisma Health-Midlands

Total Projected: \$56,411

Project Years: 1

College of Education

Teacher Education

Sharp, Jessica

Title: Infant/Toddler Quality Improvement Initiative: South Carolina Program for Infant/Toddler Care (SCPITC) 2025-2026

Sponsor: SC Department of Social Services (DSS)

Total Projected: \$3,060,153

Project Years: 1

**Office of VP for Research
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Darla Moore School of Business

Moore Sch - Economics

Von Nessen, Joseph

Title: SCRA: Economic Impact Analysis - FY25

Sponsor: SC Research Authority (SCRA)

Total Projected: \$20,000

Project Years: 1

Moore Sch - Dean's Office

Magelssen, Catherine

Title: Legal and Economic Ownership of Intellectual Property within Multiunit Firms

Sponsor: Strategic Management Society

Total Projected: \$25,000

Project Years: 2

Division of Student Affairs

Substance Abuse and Prevention

Hourigan, Aimee

Title: Great Plays 2026

Sponsor: International Town Gown Association (ITGA)

Total Projected: \$14,992

Project Years: 1

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

Colorectal Cancer Prevention Network

Thibault, Annie

Title: SOUTH CAROLINA HEALTHCARE IMPROVEMENT TRANSFORMATION (SC-HIT)

Sponsor: Centers for Disease Control and Prevention (CDC)/HHS

Total Projected: \$677,737

Project Years: 1

History

Wilder, Colin

Title: Civics and Humanities Program at the University of South Carolina

Sponsor: Institute for Humane Studies (IHS) at George Mason University

Total Projected: \$40,000

Project Years: 1

Physics & Astronomy

Bi, Wenli

Title: CAREER: TUNING QUANTUM STATES OF MAGNETIC TOPOLOGICAL SYSTEMS WITH PRESSURE

Sponsor: National Science Foundation (NSF)

Total Projected: \$152,832

Project Years: 1

Petrov, Alexey

Title: Frontiers in Particle Physics and Cosmology: Annual School and Workshop

Sponsor: The Heising-Simons Foundation

Total Projected: \$60,000

Project Years: 1

Office of VP for Research IT and Data Management Office

Psychology

Wippold, Guillermo

Title: *Building Resilience through Innovative Interventions to promote Growth & Health after Trauma*

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

Total Projected: \$1,117,500

Project Years: 5

School of Visual Art Design

Kwon, Hyunji

Title: *The Role of a Visual Arts and Creative Writing Summer Program in Developing the Social and Emotional Characters of Urban Youth: A Mixed Methods Research Study*

Sponsor: National Endowment for the Arts (NEA)

Total Projected: \$80,000

Project Years: 1

Title: *The Role of a Visual Arts and Creative Writing Summer Program in Developing the Social and Emotional Characters of Urban Youth: A Mixed Methods Research Study - Third Party Match for U00037763*

Sponsor: YMCA of Columbia

Total Projected: \$3,450

Project Years: 1

Molinaroli College of Engineering & Computing

Chemical Engineering

Lauterbach, Jochen

Title: *Fuel Cycle (FC) FIRE Collaborative*

Sponsor: Battelle Savannah River Alliance (BSRA)/SNRL/DOE

Total Projected: \$1,280,000

Project Years: 4

Office of VP for Research IT and Data Management Office

Electrical Engineering

Fang, Xin

Title: *Collaborative Research: CyberTraining: Pilot: PowerCyber: Computational Training for Power Engineering Researchers*

Sponsor: National Science Foundation (NSF)

Total Projected: \$120,000

Project Years: 2

Title: *Collaborative Research: CyberTraining: Pilot: PowerCyber: Computational Training for Power Engineering Researchers*

Sponsor: NC State University/NSF

Total Projected: \$23,716

Project Years: 1

Title: *Digital Twin Addressing Multi-Scale Operational Needs of IBR-rich Grids (DIAMOND)*

Sponsor: Alliance for Sustainable Energy, LLC/NREL/DOE

Total Projected: \$200,000

Project Years: 3

Eng. & Computing Dean's Office

Haj-Hariri, Hossein

Title: *Applied Quantum for Space and Energy Lab (AQSEL)*

Sponsor: The South Carolina Quantum Association/State of South Carolina

Total Projected: \$3,244,656

Project Years: 1

**Office of VP for Research
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School of Medicine

Basic Science Research

Spinale, Francis

Title: Prevention of remodeling by image guided epicardial delivery of hydrogels to the heart (resubmission)

Sponsor: Yale University/NIH

Total Projected: \$214,063

Project Years: 4

Path, Microbio. & Immunology

Enos, Reilly

Title: Estrogen Receptor-Alpha Signaling in Skeletal Muscle as a Promising Avenue for Obesity Treatment in Both Sexes

Sponsor: Augusta University/NIH

Total Projected: \$20,000

Project Years: 1

University of SC Aiken

AK Dept of English

Geyer, Andrew

Title: Celebrating South Carolina Voices: The 2026 Literary Hall of Fame Induction

Sponsor: SC Humanities/SC Arts Commission

Total Projected: \$2,500

Project Years: 1

**Office of VP for Research
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University of SC Beaufort

BFT Center for the Arts

Hargrove, Bonnie

Title: SC Arts Commission General Operating Support Grant

Sponsor: SC Arts Commission

Total Projected: \$21,179

Project Years: 1

BFT Nursing

Hutchison, Lynne

Title: Lowcountry IMPACT: Increasing Nursing Workforce in Acute and Long-Term Care through Academic Practice Partnerships Serving Underserved and Rural Populations.

Sponsor: Health Resources & Services Administration (HRSA)/HHS

Total Projected: \$3,873,442

Project Years: 4

University of SC Lancaster

LAN PALMETTO COLLEGE

Ammons, Robert

Title: Lancaster Promise Neighborhood

Sponsor: Lancaster County Partners for Youth/USDE

Total Projected: \$161,000

Project Years: 1

**Office of VP for Research
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University of SC Union

UN PALMETTO COLLEGE

Edwards, Cheryl

Title: Chester Healthcare Foundation 2025 Grant

Sponsor: USC Educational Foundation/Chester Healthcare Foundation

Total Projected: \$13,600

Project Years: 1