

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

Arnold School of Public Health

Communication Sci & Disorders

Neils-Strunjas, Jean

Title: SC CREATE 2026

Sponsor: SC Department of Education (SCDE)

Total Projected: \$402,200

Project Years: 1

Environmental Health Sciences

Sabo-Attwood, Tara

Title: Sub to UF/FLDOH - Inhalation of algae and toxins associated with harmful algal blooms and novel mechanisms of pulmonary toxicity and respiratory health

Sponsor: University of Florida/Florida Department of Health (FDOH)

Total Projected: \$139,908

Project Years: 1

Epidemiology & Biostatistics

Boghossian, Nansi

Title: Impact of 12-month Postpartum Insurance Extensions on Maternal and Newborn Health

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

Total Projected: \$1,664,038

Project Years: 2

Health Prom., Educ. & Behavior

Fowler, Lauren

Title: A mixed methods approach to understanding obesity risk among sexual minority women

Sponsor: National Institute on Minority Health and Health Disparities (NIMHD)/NIH

Total Projected: \$447,492

Project Years: 3

**Office of VP for Research
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Ghattas, Hala

Title: (PI: Tremaine T. Sails-Dunbar) Health Policy Research Scholars Dissertation Award

Sponsor: Robert Wood Johnson Foundation (Johns Hopkins University)

Total Projected: \$5,115

Project Years: 1

Larson, Leila

Title: Using big data to understand the influence of extreme weather events on child health and development in the USA

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

Total Projected: \$378,140

Project Years: 2

Thrasher, James

Title: Foreign Subaward Component of Project 10014445: Building Stochastic Actor-Oriented Models to investigate social network influences on youth nicotine product use transitions and to simulate different intervention effects across contexts

Sponsor: National Cancer Institute (NCI)/NIH

Total Projected: \$497,696

Project Years: 4

College of Education

Child Development Res. Center

Googe, Heather

Title: 2025 South Carolina Early Childhood Inclusion Conference

Sponsor: SC Developmental Disabilities Council/HHS

Total Projected: \$20,000

Project Years: 1

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Educational & Developmental Science

Wolfe, Katie

Title: *Support for the M.Ed. in APPLIED BEHAVIOR ANALYSIS (ABA)*

Sponsor: SC Department of Health and Human Services (SC DHHS)

Total Projected: \$651,958

Project Years: 4

Research, Eval., & Measurement

Lewis, Ashlee

Title: *South Carolina Arts Assessment Program (FY26)*

Sponsor: South Carolina Department of Education (SCDE)

Total Projected: \$84,000

Project Years: 1

College of Pharmacy

Pharm - Clin Pharm & Outcomes Sciences

Barfield, Reagan

Title: *The advancement of a post-graduate outpatient pharmacy training model in South Carolina to enhance chronic care management, research, and service line expansion in rural and medically underserved communities*

Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS

Total Projected: \$1,389,293

Project Years: 3

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

Moore Sch - Div. of Research

Von Nessen, Joseph

Title: Brookfield Properties: Economic Impact of Nexton

Sponsor: NASH-Nexton Holdings, LLC

Total Projected: \$85,550

Project Years: 1

Title: NP Strategy: The Economic Impact of Westinghouse

Sponsor: NP Strategy

Total Projected: \$35,000

Project Years: 1

Small Business Dev. Ctr.

Abraham, Michele

*Title: SC Small Business Development Centers Program Announcement - SBA 2025
Funding Opportunity*

Sponsor: US Small Business Administration (SBA)

Total Projected: \$897,635

Project Years: 2

Hosp., Retail, & Sport Mgmt

Hotel, Restaurant & Tour Mgmt

Basurto, Estefania

*Title: International Cooperation Grant: The RISE: Research, Internationalization,
Support, and Education Proposal*

Sponsor: ESPAM-MFL (Escuela Superior Politecnica Agropecuaria de Manabi -
Manuel Felix Lopez)

Total Projected: \$166,913

Project Years: 4

**Office of VP for Research
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Joseph F. Rice School of Law

Children's Law Center

Mathison, Mike

Title: AECF - Teaming for Teams – Legal Strat. Development for SC - Support the design and implementation of strategies with legal stakeholders to prevent unnecessary entry of teens into foster care in South Carolina

Sponsor: Annie E. Casey Foundation

Total Projected: \$75,000

Project Years: 1

McCausland College of Arts and Sciences

Baruch Institute

Smith, Erik

Title: NERR Capacity Building: ACE Basin Round 2

Sponsor: SC Department of Natural Resources (SCDNR)/NOAA/DOC

Total Projected: \$105,017

Project Years: 2

Title: North Inlet - Winyah Bay National Estuarine Research Reserve FY25 Operations Award

Sponsor: National Ocean Service (NOS) Office for Coastal Management (OCM)/NOAA/DOC

Total Projected: \$880,967

Project Years: 2

Stewart, Jill

Title: Eco-evolutionary dynamics of *Escherichia coli* in an island system: Environmental drivers of waterborne urinary tract infections

Sponsor: Fogarty International Center/NIH

Total Projected: \$3,000,004

Project Years: 5

**Office of VP for Research
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Chemistry & Biochemistry

Shustova, Natalia

Title: Hybrid Well-Defined Stimuli-Responsive Materials

Sponsor: National Science Foundation (NSF)

Total Projected: \$539,896

Project Years: 3

Mathematics

Dutta, Uttaran

Title: Uttaran Dutta Simons Dissertation Fellowship in Mathematics

Sponsor: The Simons Foundation International, Ltd . (SFI)

Total Projected: \$38,400

Project Years: 2

Luo, Ruth

Title: Collaborations in extremal problems for graphs and hypergraphs

Sponsor: The Simons Foundation International, Ltd . (SFI)

Total Projected: \$42,000

Project Years: 5

Physics & Astronomy

Lopez Rodriguez, Enrique

Title: A new view of magnetic fields in the early universe

Sponsor: National Science Foundation (NSF)

Total Projected: \$357,765

Project Years: 3

**Office of VP for Research
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Wu, Yanwen

Title: Identifying superconducting pairing and hidden symmetries using SHG polarimetry

Sponsor: National Science Foundation (NSF)

Total Projected: \$746,200

Project Years: 3

Political Science

Liu, Howard (Hao)

Title: Collaborative Research: Advancing quantitative methods for the study of georelational dynamics in contentious politics

Sponsor: National Science Foundation (NSF)

Total Projected: \$150,914

Project Years: 2

Psychology

Edmunds, Sarah

Title: Family-Centered Implementation of Parent Training for Emotion Regulation in Autistic Toddlers within the Part C Early Intervention System

Sponsor: National Institute of Mental Health (NIMH)/NIH

Total Projected: \$654,082

Project Years: 4

School of Earth, Ocean & Env.

Wilson, Alicia

Title: LTER: Georgia Coastal Ecosystems-V

Sponsor: University of Georgia/NSF

Total Projected: \$162,173

Project Years: 6

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

Chemical Engineering

Mustain, William

Title: Alkaline stable, non-porous, anion exchange ionomer and membrane separator scale-up for liquid alkaline electrolysis

Sponsor: Ionomr/DOE

Total Projected: \$1,191,972

Project Years: 3

Title: Battery Innovation – UofSC

Sponsor: US Department of Energy (DOE)

Total Projected: \$2,160,000

Project Years: 1

Regalbuto, John

Title: NSF CeRCaS Phase III Memberships Account

Sponsor: CeRCaS/Various Commercial

Total Projected: \$5

Project Years: 5

Title: NSF CeRCaS Phase III Memberships Account

Sponsor: CeRCaS/Various Commercial

Total Projected: \$5

Project Years: 5

Title: NSF CeRCaS Phase III Memberships Account

Sponsor: CeRCaS/Various Commercial

Total Projected: \$5

Project Years: 5

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Taheri-Qazvini, Nader

Title: *3D Bioprinting Shared Facility for Advancing Interdisciplinary Research at the University of South Carolina*

Sponsor: Office of the Director - National Institutes of Health (NIH)

Total Projected: \$256,929

Project Years: 1

Computer Science & Engineering

Farkas, Csilla

Title: *2025-2026 DoD Cyber Service Academy Application, University of South Carolina*

Sponsor: US Department of Defense (DOD)

Total Projected: \$965,700

Project Years: 5

Electrical Engineering

Ahmad, Iftikhar

Title: *Quantum Frontiers in Environmental Monitoring: Integrating Quantum Fourier Transform and Quantum Entanglement for Superior Data Analysis*

Sponsor: Benedict College/DOE

Total Projected: \$125,057

Project Years: 1

Mechanical Engineering

Chen, Fanglin

Title: *Space Grant Campus Director*

Sponsor: College of Charleston/SC Space Grant Consortium/NASA

Total Projected: \$2,000

Project Years: 1

Office of VP for Research IT and Data Management Office

De Backer, Wout

Title: *Process Modeling of Vitrimer Patch Repair for Complex Composite Surfaces*
Sponsor: Maher & Associates d/b/a Maher Advanced Manufacturing/ONR/DOD
Total Projected: \$56,000
Project Years: 1

Huang, Kevin

Title: *Understanding the Corrosion Mechanisms of Ferritic Stainless Steels in Reversible Solid Oxide Fuel Cells Operated under High Temperature and Steam Conditions*
Sponsor: Save Mother Earth, LLC/DOE
Total Projected: \$120,000
Project Years: 1

Zhou, Caizhi

Title: *EPSCoR Research Fellows: NSF: Probing Deformation Mechanisms in Heterogeneous Lamellar Metals for Breaking the Strength-Ductility Trade-off Condition*
Sponsor: National Science Foundation (NSF)
Total Projected: \$299,985
Project Years: 2

School of Medicine

MDC Ctr Disability Resources

Rotholz, David

Title: *South Carolina Assistive Technology Program AAC Clinic*
Sponsor: SC Developmental Disabilities Council/ACL/HHS
Total Projected: \$2,500
Project Years: 1

**Office of VP for Research
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Neuropsychiatry

Thornhill, Joshua

Title: PDMHSEC Support of the USCSOM Associate Dean for Medical Student Education – Florence

Sponsor: Pee Dee Medical & Health Sciences Education Consortium/SC DHHS

Total Projected: \$213,937

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: \$46,250

Project Years: 3

Pharm., Physiology & Neuroscience

dos Santos, Raoni

Title: The Role of NTS-NE Neurons in the Pathophysiology of Depression and Social Deficits

Sponsor: Brain and Behavior Research Foundation

Total Projected: \$70,000

Project Years: 2

University of SC Lancaster

LAN PALMETTO COLLEGE

Ammons, Robert

Title: Student Support Services (Scholarships - Grant in Aid)

Sponsor: US Department Of Education (USDE)

Total Projected: \$1,518,795

Project Years: 5

**Office of VP for Research
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Criswell, Stephen

Title: Native American Drumming Performance Series

Sponsor: SC Arts Commission

Total Projected: \$5,000

Project Years: 1