

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

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**Arnold School of Public Health**

**Center for Community Health Alignment**

**Smithwick, Julie**

*Title:* Advancing Community Health Worker Leadership and Sustainability

*Sponsor:* SC Research Foundation (SCRF)/Johnson & Johnson Foundation

*Total Projected:* \$400,000

*Project Years:* 1

**Environmental Health Sciences**

**Kilpatrick, Daniel**

*Title:* Rosemont Action Planning Session, Lowcountry Alliance for Model Communities, National Fish and Wildlife Foundation Award

*Sponsor:* Lowcountry Alliance for Model Communities (LAMC)/NFWF/DOC

*Total Projected:* \$31,524

*Project Years:* 1

**Langan, Laura**

*Title:* Disease Surveillance in Sewersheds: An Alternative Approach to Population Monitoring in Support of Public Health Decision Making

*Sponsor:* Baylor University/Texas Health and Human Services Commission/Department of State Health Services (Texas)

*Total Projected:* \$100,000

*Project Years:* 1

**Sabo-Attwood, Tara**

*Title:* Southeastern Coastal Center for Agricultural Health & Safety (SCCAHS) - Emerging Issues Program (continuation)

*Sponsor:* University of Florida/CDC/HHS

*Total Projected:* \$114,460

*Project Years:* 1

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

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***Epidemiology & Biostatistics***

**Hollingsworth, Brandon**

**Title:** *Moving toward targeted arbovirus control: using the virome to determine Aedes dispersal and population structure*

**Sponsor:** Cornell University/NIAID/NIH

**Total Projected:** \$97,233

**Project Years:** 2

***Exercise Science***

**Baker, Forrest**

**Title:** *Biomarker Analysis in Elite Athletes: Internal and External Load Monitoring*

**Sponsor:** Orreco Inc.

**Total Projected:** \$129,987

**Project Years:** 2

**Fritz, Stacy**

**Title:** *Mitigating Injurious Falls in Older Adults Through Non-Injurious Fall and Gait Analysis From Floor Vibrations - STTR Sub-contract with Advanced Smart Systems and Evaluation Technologies, LLC (ASSET)*

**Sponsor:** Advanced Smart Systems and Evaluation Technologies, LLC (ASSET)/NIH

**Total Projected:** \$421,709

**Project Years:** 1

**Regan, Elizabeth W.**

**Title:** *Tele-Exercise to Promote Empowered Movement in Individuals with Spinal Cord Injury, TEEMS – Sub-contract with Drexel University*

**Sponsor:** Drexel University/AMRMC/DOD

**Total Projected:** \$128,271

**Project Years:** 4

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

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**Health Prom., Educ. & Behavior**

**Fowler, Lauren**

*Title: Improving Access to Services, Preventing Eating Disorders, and Addressing Comorbid Depression and Anxiety in Diverse Adolescents*

**Sponsor:** Washington University/Klingenstein Third Generation Foundation

**Total Projected:** \$15,157

**Project Years:** 2

**Larson, Leila**

*Title: Foreign Subaward Component of Project 10015464: Impact of combined nutrition, responsive parenting, and health intervention on childhood development (BUNDLE) study*

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

**Total Projected:** \$100,868

**Project Years:** 5

**Health Services Policy & Mgmt**

**Andrews, Christina**

*Title: Alcohol treatment in Medicaid managed care plans: Disparities in policies and outcomes Subcontract*

**Sponsor:** Boston University/NIAAA/NIH

**Total Projected:** \$35,211

**Project Years:** 1

**Ostermann, Jan**

*Title: Foreign Subaward Component (NIMR) of Project 10012596 - Leveraging community health workers and a responsive digital health system to improve rates and timeliness of child well visits in the first year of life - [Huduma Kwa Wakati (formerly called Chanjo)*

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

**Total Projected:** \$296,426

**Project Years:** 2

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

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**College of Education**

**Educational & Developmental Science**

**Rose, Chad**

**Title:** *Project SMART-MBH (Scholars in Multi-Tiered Approaches to Research and Training in Mental and Behavioral Health): Collaborative Training in Special Education and School Psychology*

**Sponsor:** University of Missouri/Northern Illinois University/USDE

**Total Projected:** \$19,795

**Project Years:** 1

**College of Information & Comm.**

**School of Information Sciences**

**Mohammadi, Ehsan**

**Title:** *Empowering Tomorrow's Minds: Igniting AI Literacy in School Libraries*

**Sponsor:** Institute of Museum and Library Services (IMLS)

**Total Projected:** \$192,844

**Project Years:** 3

**College of Nursing**

**Biobehavioral Health & Nursing Science**

**Wickersham, Karen**

**Title:** *Proof-of-Concept Testing of a Theory-Based Self-Management Intervention for Tyrosine Kinase Inhibitor Side Effects in Advanced Non-Small Cell Lung Cancer*

**Sponsor:** Oncology Nursing Foundation (ONF)

**Total Projected:** \$100,000

**Project Years:** 2

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

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**College of Social Work**

**Families in Society, Institute**

**Shapiro, Cheri**

*Title: Evidence-Based Psychosocial Interventions for Youth and Families: A Landscape Survey of Behavioral Health Providers in South Carolina*

**Sponsor:** SC Department of Social Services

**Total Projected:** \$20,000

**Project Years:** 1

**Social Work - Dean's Office**

**Anderson, Brandi**

*Title: Building Brighter Tomorrows - Today: Piloting a School Social Work Pipeline Development Training Program*

**Sponsor:** USC Educational Foundation/The Duke Endowment

**Total Projected:** \$248,000

**Project Years:** 3

**Darla Moore School of Business**

**Moore Sch - Dean's Office**

**Carter, Kealy**

*Title: Bloomberg Youth Climate Action - City of Columbia*

**Sponsor:** US Educational Foundation/City of Columbia/Bloomberg Philanthropies

**Total Projected:** \$5,000

**Project Years:** 1

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

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**Moore Sch - Div. of Research**

**Von Nessen, Joseph**

*Title:* Charleston County Economic Development: EIS 2025

*Sponsor:* Charleston County Economic Development

*Total Projected:* \$67,500

*Project Years:* 1

**Hosp., Retail, & Sport Mgmt**

**Hotel, Restaurant & Tour Mgmt**

**Okumus, Fevzi**

*Title:* Hospitality Career Camp Immersion Program 2025

*Sponsor:* employU

*Total Projected:* \$24,000

*Project Years:* 1

**Joseph F. Rice School of Law**

**Children's Law Center**

**Black, Shelandra**

*Title:* FY26 Deinstitutionalizing Truants Through School District-Based Interventions:  
Attendance Systems and Tiered Interventions from the Richland School District  
Two

*Sponsor:* SC Department of Public Safety (SC DPS)/DOJ

*Total Projected:* \$0

*Project Years:* 1

**Carney, Rebecca**

*Title:* FY26 CJA Task Force

*Sponsor:* SC Department of Social Services (DSS)/HHS

*Total Projected:* \$108,229

*Project Years:* 1

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

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**Maxwell, Morgan**

**Title:** *FY26 Joint Citizens and Legislative Committee on Children*  
**Sponsor:** South Carolina Senate  
**Total Projected:** \$580,000  
**Project Years:** 1

**Koger Center**

**Koger Center**

**Terracio, Nathan**

**Title:** *Richland County Hospitality Tax Grant*  
**Sponsor:** SC Research Foundation (SCRF)/Richland County  
**Total Projected:** \$22,500  
**Project Years:** 1

**McCausland College of Arts and Sciences**

**Archaeology & Anthropology**

**Schreiner, Nina**

**Title:** *Investigating Eeastoe near Twin Falls, Pickens County, South Carolina*  
**Sponsor:** Felburn Foundation  
**Total Projected:** \$12,000  
**Project Years:** 1

**Biological Sciences**

**Twiss, Jeffery**

**Title:** *Noninvasive nanoparticle-directed therapy to the peripheral nervous system*  
**Sponsor:** Clemson University/NIH  
**Total Projected:** \$754,892  
**Project Years:** 5

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

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### **Chemistry & Biochemistry**

#### **Shustova, Natalia**

*Title:* ACS Graduate Student Success Grant

*Sponsor:* American Chemical Society (ACS)

*Total Projected:* \$25,000

*Project Years:* 1

*Title:* Photophysics of Adaptive Materials

*Sponsor:* The Camille & Henry Dreyfus Foundation

*Total Projected:* \$50,000

*Project Years:* 1

### **History**

#### **Wilder, Colin**

*Title:* Civics and Humanities

*Sponsor:* National Endowment for the Humanities (NEH)

*Total Projected:* \$24,439

*Project Years:* 1

### **Languages, Literatures, & Cult.**

#### **Kisselev, Olesya**

*Title:* Hybrid student exchange program: Enhancing language practice and intercultural collaboration in the Russian language classroom

*Sponsor:* UiT The Arctic University of Norway/Norwegian Directorate for higher Education and Skills

*Total Projected:* \$119,972

*Project Years:* 3

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

---

**Psychology**

**Parrish, Lori**

*Title:* Hennepin County School Mental Health Digital Learning Project

*Sponsor:* County of Hennepin, State of Minnesota

*Total Projected:* \$20,287

*Project Years:* 2

**School of Earth, Ocean & Env.**

**Bulusu, Subrahmanyam**

*Title:* Investigating the Mechanisms of Sea Level Change Using 30+ Years of Satellite Altimetry and the ECCO Ocean State Estimate

*Sponsor:* Jet Propulsion Laboratory/Calif Institute of Tech/NASA

*Total Projected:* \$192,553

*Project Years:* 4

**Meyer-Gutbrod, Erin**

*Title:* Near real-time glider-based passive acoustic monitoring of right whales in the Southeast US

*Sponsor:* Southeast Coastal Ocean Observing Regional Association (SECOORA)/NOAA

*Total Projected:* \$70,000

*Project Years:* 2

**Voulgaris, George**

*Title:* Upgrades to South Carolina's HF Radar Network

*Sponsor:* Southeast Coastal Ocean Observing Regional Association (SECOORA)/NOAA

*Total Projected:* \$100,000

*Project Years:* 2

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

---

**Sociology**

**Brashears, Matthew**

*Title:* Societal Impacts of Nuclear Detonation: Functional Architecture Code Development

*Sponsor:* Defense Threat Reduction Agency/ARA, Inc./DOD

*Total Projected:* \$63,000

*Project Years:* 2

**Theatre and Dance**

**Whitehead, Dustin**

*Title:* Get on Set - 2026

*Sponsor:* SC Film Commission - SC Department of Parks Recreation and Tourism

*Total Projected:* \$420,000

*Project Years:* 1

**Molinaroli College of Engineering & Computing**

**Chemical Engineering**

**Sadati, Monirosadat**

*Title:* Comprehensive Quality Control Development for Devro Collagen Gels

*Sponsor:* Devro Inc.

*Total Projected:* \$59,600

*Project Years:* 1

**White, Ralph**

*Title:* Exploring electrochemical impedance spectroscopy (EIS) signatures

*Sponsor:* Analog Devices

*Total Projected:* \$627,271

*Project Years:* 3

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

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***Civil & Environmental Eng.***

***Imran, Jasim***

***Title:*** Antifragile Infrastructure Approach for Naval Installations and Coastal Host Communities

***Sponsor:*** Office of Naval Research (ONR)/DOD

***Total Projected:*** \$1,375,000

***Project Years:*** 4

***Computer Science & Engineering***

***Valafar, Homayoun***

***Title:*** Columbia Airport Hybrid Ecosystem Analysis -- commerce

***Sponsor:*** Fraunhofer/SC Department of Commerce

***Total Projected:*** \$11,979

***Project Years:*** 1

***Vidal, Jose***

***Title:*** Development of a Tool to Streamline and Expedite the General Permit Application

***Sponsor:*** University of Nebraska/US DOT

***Total Projected:*** \$20,000

***Project Years:*** 2

***Electrical Engineering***

***Fang, Xin***

***Title:*** Dynamic Thermal Rating for Distribution Systems

***Sponsor:*** National Renewable Energy Laboratory (NREL)/DOE

***Total Projected:*** \$50,000

***Project Years:*** 1

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

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***Mechanical Engineering***

***Shazly, Tarek***

*Title: Matrix 1 -- Small Scale -- Commerce portion*

*Sponsor: Fraunhofer/SC Department of Commerce*

*Total Projected: \$14,096*

*Project Years: 1*

***Wuest, Thorsten (Thor)***

*Title: Enhancing spot weld quality in car body production using process-integrated AI-driven quality prediction and parameter adaptation - DOC portion*

*Sponsor: SC Department of Commerce/Fraunhofer USA Coalition*

*Total Projected: \$683,781*

*Project Years: 2*

***School of Medicine***

***Family & Preventive Medicine***

***Bennett, Kevin***

*Title: Rural Health Fellow, 2025-26 - The Commonwealth Fund*

*Sponsor: The Commonwealth Fund*

*Total Projected: \$198,393*

*Project Years: 1*

***Internal Medicine***

***Al-hasan, Majdi***

*Title: Housing Opportunities for Persons With AIDS (HOPWA)*

*Sponsor: City of Columbia/HUD*

*Total Projected: \$358,019*

*Project Years: 1*

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

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**Neuropsychiatry**

**Walsh, Michael**

**Title:** *RSA: Rehabilitation Long Term Training Program: Training Vocational Rehabilitation Counselors, CFDA 84.129B*

**Sponsor:** US Department of Education (USDE)

**Total Projected:** \$791,180

**Project Years:** 5

**Obstetrics & Gynecology**

**Campbell, Berry**

**Title:** *Mobilizing MOMs: Increasing access to specialty care for pregnant women with diabetes across the Midlands Perinatal Region*

**Sponsor:** Prisma Midlands/SCCRPH/DHHS

**Total Projected:** \$23,928

**Project Years:** 2

**Path, Microbio. & Immunology**

**Nagarkatti, Mitzi**

**Title:** *(PI - Chloe Weyer-Nichols) Mechanisms of Pathogenesis in Staphylococcal Enterotoxin B-Induced Acute Respiratory Distress Syndrome*

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

**Total Projected:** \$136,986

**Project Years:** 3

**Pediatrics**

**Stephenson, Kathryn**

**Title:** *Parents as Teachers (25-26)*

**Sponsor:** Prisma Health-Midlands/Children's Trust of SC/HRSA/HHS

**Total Projected:** \$103,797

**Project Years:** 1

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

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***Radiology***

***Bell, Floyd***

*Title:* *Ultrasound Training for Rural Health Providers*

*Sponsor:* SC Center for Rural and Primary Healthcare (SCCRPH)/SCDHHS

*Total Projected:* \$67,200

*Project Years:* 1

***University of SC Aiken***

***AK Biology & Geology***

***Harmon, Sarah***

*Title:* *Workforce Opportunities in Regional Careers II (WORC II) Renewal*

*Sponsor:* SRS Community Reuse Organization (SRSCRO)/NNSA/DOE

*Total Projected:* \$670,450

*Project Years:* 5

***University of SC Beaufort***

***BFT Mathematics***

***Canada, Brian***

*Title:* *VIA-LLM: Visually Impaired Assistive Tool with LLM reasoning*

*Sponsor:* Clemson University/SC EPSCOR/NSF

*Total Projected:* \$6,000

*Project Years:* 2

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

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***BFT Natural Sciences***

***Montie, Eric***

***Title:*** *Infrastructure Needs for the Estuarine Soundscape Observatory Network in the Southeast (ESONS)*

***Sponsor:*** Southeast Coastal Ocean Observing Regional Association (SECOORA)/NOAA

***Total Projected:*** \$70,000

***Project Years:*** 2

***University of SC Salkehatchie***

***SA PALMETTO COLLEGE***

***All, Jessica***

***Title:*** *Workforce Opportunities in Regional Careers II Renewal (WORC II Renewal)*

***Sponsor:*** SRS Community Reuse Organization (SRSCRO)/NNSA/DOE

***Total Projected:*** \$674,772

***Project Years:*** 5