Arnold School of Public Health

**Applied Research & Evaluation (CARE)**

**Workman, Lauren**

*SC MIECHV FY22 Coordinated State Evaluation (2022-2024)*

**Sponsor:** Children’s Trust of South Carolina/HRSA

- **PS PROJECT:** 10012542
- **AWARD_PROJECT_AMT. IF AVAILABLE:**
- **PROJECT YEARS:** 2

**Environmental Health Sciences**

**Porter, Dwayne**

*Habitat Mapping in Support of Resiliency and Adaptation Planning within the National Estuarine Research Reserve System*

**Sponsor:** Pew Charitable Trusts

- **PS PROJECT:** 10012549
- **AWARD_PROJECT_AMT. IF AVAILABLE:**
- **PROJECT YEARS:** 1

**Exercise Science**

**Fraley, Amy**

*(PI: Sara Binkley)*

*Yoga Practices on Improving Balance, Performance, and Anxiety in Collegiate Athletes*

**Sponsor:** National Athletic Trainers’ Association (NATA) Research and Education Foundation

- **PS PROJECT:** 10012528
- **AWARD_PROJECT_AMT. IF AVAILABLE:**
- **PROJECT YEARS:** 1

*(PI - Corinne Carbone)*

*Who Serves Those Who Serve? The Availability of Athletic Trainers to ROTC Programs Across the United States*

**Sponsor:** National Athletic Trainers’ Association (NATA) Research and Education Foundation

- **PS PROJECT:** 10012529
- **AWARD_PROJECT_AMT. IF AVAILABLE:**
- **PROJECT YEARS:** 1
Moore, Robert
IPA Agreement with Dorn VA Medical Center - Robert Davis Moore  
Sponsor: WJB Dorn VA Medical Center/VA  
PS PROJECT: 10012570  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1  

Health Prom., Educ. & Behavior
Thrasher, James
Removing the marketing power of cigarettes: A multi-method study aimed at protecting the health of adolescents in Latin America  
Sponsor: University of Stirling/Medical Research Council (MRC), UK  
PS PROJECT: 10012578  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 3  

Health Services Policy & Mgmt
Crouch, Elizabeth
FY22 MIECHV Coordinated Evaluation Proposal  
Sponsor: Children's Trust of South Carolina/HRSA  
PS PROJECT: 10012523  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 2  

College of Arts and Sciences
Archaeology & Anthropology
King, Adam
Administrative Services for ArchSite II, 2022-2024  
Sponsor: SC Department of Transportation (SC DOT)  
PS PROJECT: 10012431  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 2
BARUCH COASTAL LABORATORY

Strosnider, William
South Carolina Water Resources Center Program Management

Sponsor: Clemson University (SC Water Resources Center - SCWRC)/DOI
PS PROJECT: 10012518
AWARD_PROJECT_AMT. IF AVAILABLE: 33,545
PROJECT YEARS: 1

Chemistry & Biochemistry

Li, Jie
Improving PMP models for pre-clinical testing and evaluating PMP-associated bacterial functional metabolites in PMP progression and treatment

Sponsor: National Organization for Rare Disorders (NORD)/ACPMP
PS PROJECT: 10012519
AWARD_PROJECT_AMT. IF AVAILABLE: 50,000
PROJECT YEARS: 2

Shimizu, Ken
Hydrogen bonding protecting groups

Sponsor: Petroleum Research Fund (PRF)/American Chemical Society (ACS)
PS PROJECT: 10012555
AWARD_PROJECT_AMT. IF AVAILABLE: 110,000
PROJECT YEARS: 3

Geography

Ellis, Jean
RAPID: Impacts and recovery of natural and managed coastal dunes on a South Carolina barrier island from Hurricane Ian

Sponsor: National Science Foundation (NSF)
PS PROJECT: 10012553
AWARD_PROJECT_AMT. IF AVAILABLE: 25,610
PROJECT YEARS: 1
History
Donaldson, Bobby
*NPS AACR: Booker T. Washington High School Auditorium Building* 500,000

**Sponsor:** National Park Service/DOI

PS PROJECT: 10012550

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

Elfenbein, Jessica
*Wood Basket of the World: Lumbering, Manufacturing, and Conserving South Carolina’s Forests* 2,000

**Sponsor:** SC Humanities/NEH

PS PROJECT: 10012522

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Mathematics
Wang, Zhu
*Nonlinear Hamiltonian and Lagrangian Model Reduction for Ocean Simulation and Tethered Air-Surface Vehicle Control* 22,553

**Sponsor:** University of California - San Diego/ONR

PS PROJECT: 10012547

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

McKissick Museum
Przybysz, Jane
*SCAC Folklife Partnership Grant Renewal* 70,517

**Sponsor:** SC Arts Commission

PS PROJECT: 10012514

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1
### School of Earth, Ocean & Env.

**Barra, Monica**  
*SSRC Arts Research with Communities of Color (ARCC) Fellowship*  
**Sponsor:** Social Science Research Council (SSCR)/Wallace Foundation  
**AWARD_PROJECT_AMT:** 70,000  
**PROJECT YEARS:** 1

**Frost, Daniel (Dan)**  
*Collaborative Research: RAPID: Capturing the Elgin-Lugoff earthquake swarm with a dense nodal array*  
**Sponsor:** National Science Foundation (NSF)  
**AWARD_PROJECT_AMT:** 7,390  
**PROJECT YEARS:** 1

### Sociology

**Henderson-Platt, Andrea**  
*Science and Religion of the Human Body (Science and Religion: Identity and Belief Formation)*  
**Sponsor:** Rice University/The Issachar Fund  
**AWARD_PROJECT_AMT:** 42,054  
**PROJECT YEARS:** 1

### College of Education

**Child Development Res. Center**

**Googe, Heather**  
*Building a Statewide System for Inclusion 2022-23*  
**Sponsor:** SC Department of Social Services (DSS)  
**AWARD_PROJECT_AMT:** 1,233,127  
**PROJECT YEARS:** 1
### Research, Eval., & Measurement

**Dickenson, Tammiee**

*Evaluation of Young Men United Pilot Program*

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### SC Educational Policy Center

**Monrad, Diane**

*Evaluation of Georgetown County School District’s Pathways to Success Magnet Program*

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### College of Engineering & Comp.

### Civil & Environmental Eng.

**Qian, Yu**

*Quantitative Assessment of the Influence of Drainage on Track Support* - *(Third Party Match for account no. 10011055)*

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### Electrical Engineering

**Booth, Kristen**

*Phase III - Digital Twins for Resilient Power and Energy Systems*

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Dougal, Roger  
*Phase III - Digital Twins for Resilient Power and Energy Systems*  
*Sponsor:* Office of Naval Research (ONR)/DOD  
PS PROJECT: 10012571  
AWARD_PROJECT_AMT. IF AVAILABLE: 9,964,825  
PROJECT YEARS: 3

Ginn, Herbert  
*Phase III - Digital Twins for Resilient Power and Energy Systems*  
*Sponsor:* Office of Naval Research (ONR)/DOD  
PS PROJECT: 10012572  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 3

Matolak, David  
*Phase III - Digital Twins for Resilient Power and Energy Systems*  
*Sponsor:* Office of Naval Research (ONR)/DOD  
PS PROJECT: 10012577  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 3

Nasiri, Adel  
*Phase III - Digital Twins for Resilient Power and Energy Systems*  
*Sponsor:* Office of Naval Research (ONR)/DOD  
PS PROJECT: 10012574  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 3

Santi, Enrico  
*Phase III - Digital Twins for Resilient Power and Energy Systems*  
*Sponsor:* Office of Naval Research (ONR)/DOD  
PS PROJECT: 10012576  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 3
Mechanical Engineering

Besmann, Theodore

Development of Thermochemical Database for Predicting UN Fuel Systems Under Irradiation

Sponsor: Westinghouse Electric Company, LLC/DOE

PS PROJECT: 10012527

AWARD_PROJECT_AMT. IF AVAILABLE: 211,441

PROJECT YEARS: 4

Determining Uncertainties in Computed Vapor Pressures and Solubilities in Values Computed from the MSTDB-TC Library of Relation

Sponsor: Terrestrial Energy, LLC/DOE

PS PROJECT: 10012565

AWARD_PROJECT_AMT. IF AVAILABLE: 154,991

PROJECT YEARS: 2

Downey, Austin

Phase III - Digital Twins for Resilient Power and Energy Systems

Sponsor: Office of Naval Research (ONR)/DOD

PS PROJECT: 10012573

AWARD_PROJECT_AMT. IF AVAILABLE: 111,750

PROJECT YEARS: 3

Reynolds, Anthony

University of South Carolina subcontract in support of Thrust 1, Project 5 Solid Phase Processing at the Extreme associated with LDRD award: 73950 SPP Discovering Thermomechanical Pathways

Sponsor: Battelle Memorial Institute (Pacific Northwest Division)/DOE

PS PROJECT: 10012521

AWARD_PROJECT_AMT. IF AVAILABLE: 60,000

PROJECT YEARS: 1

Support for Friction Extrusion of Titanium at PNNL

Sponsor: Battelle Memorial Institute (Pacific Northwest Division)/DOE

PS PROJECT: 10012548

AWARD_PROJECT_AMT. IF AVAILABLE: 42,572

PROJECT YEARS: 1
College of Information & Comm.

School of Information Sciences  
Cooke, Nicole  
Spectrum Doctoral Fellowship  

Sponsor: American Library Association (ALA)/Institute of Museum and Library Services (IMLS)  
PS PROJECT: 10012233  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 3

College of Pharmacy  

Drug Discovery & Biomed Sci.  
Zhu, Jun  
(PI - Sarah Davis) The role of VMAT-2 in mediating the impact of HIV-1 protein Tat and methamphetamine on dopamine neurotransmission and behavior  

Sponsor: National Institute on Drug Abuse (NIDA)/NIH  
PS PROJECT: 10012515  
AWARD_PROJECT_AMT. IF AVAILABLE: 77,416  
PROJECT YEARS: 2

Pharm - Clin Pharm & Outcomes Sciences  
Lu, Kevin  
Repurposing Antihypertensive Drugs in Routine Care to Reduce Dementia Risk  

Sponsor: Alzheimer's Association  
PS PROJECT: 10012559  
AWARD_PROJECT_AMT. IF AVAILABLE: 150,000  
PROJECT YEARS: 3
College of Social Work

Social Work - Dean’s Office
Browne, Teri

*Helping Patients Achieve Kidney Transplants through Health System Change*

**Sponsor:** Duke University/PCORI

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Darla Moore School of Business

Moore Sch - Div. of Research
Von Nessen, Joseph

*South Carolina Arts Commission: Economic Impact Analysis*

**Sponsor:** SC Arts Commission

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NIWC Atlantic: Economic Impact Analysis

**Sponsor:** NIWC Atlantic/US Navy/DOD

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**Sponsor:** Midlands Business Leadership Group

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### Law Enforcement & Safety

**UNIVERSITY POLICE DEPARTMENT**

**Birnie, Stephen**

**Bulletproof Vest Partnership 2022**

- Sponsor: Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ
- Award Project: 10012564
- Award Project Amt. If Available: $7,716
- Project Years: 1

**Body Worn Camera Fund 2023**

- Sponsor: SC Department of Public Safety
- Award Project: 10012568
- Award Project Amt. If Available: $65,340
- Project Years: 1

**In Car Camera Video Program 2023**

- Sponsor: SC Department of Public Safety
- Award Project: 10012569
- Award Project Amt. If Available: $10,000
- Project Years: 1

### School of Law

**Children's Law Center**

**Black, Shelandra**

**De-Institutionalizing South Carolina's Status Offenders**

- Sponsor: SC Department of Public Safety/DOJ
- Award Project: 10012487
- Award Project Amt. If Available: $149,299
- Project Years: 1
School of Medicine

Cardiovascular Translational Research Center
J da Costa, Tiago

Decoding the impact of O-GlcNAc, Sex, and Age on Cardiovascular Disease

Sponsor: American Heart Association (AHA)

PS PROJECT: 10012562
AWARD_PROJECT_AMT. IF AVAILABLE: 145,020
PROJECT YEARS: 2

35,000

Harm Reduction Academic Detailing

Sponsor: National Association of County and City Health Officials (NACCHO)/CDC

PS PROJECT: 10012530
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

University of SC Beaufort

BFT Education
Marlowe, Bruce

Melding Academics, Support, and Training of Educators for higher Retention Yields (MASTERY)

Sponsor: US Department of Education (USDE)

PS PROJECT: 10012543
AWARD_PROJECT_AMT. IF AVAILABLE: 4,737,917
PROJECT YEARS: 5
BFT Public Safety
Epstein, Sheldon
South Carolina DPS Body Worn Cameras 11,500

Sponsor: SC Department of Public Safety

PS PROJECT: 10012544
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Report Total: $15,197,663