

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

November, 2022 New Awards

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**Arnold School of Public Health**

***Applied Research & Evaluation (CARE)***

**Workman, Lauren**

*SC MIECHV FY22 Coordinated State Evaluation (2022-2024)* 150,896

**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* 175,472

**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* 1,000

**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* 1,000

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

PS PROJECT: 10012529

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**Moore, Robert**

*IPA Agreement with Dorn VA Medical Center - Robert Davis Moore*

7,700

**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*

40,448

**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*

322,680

**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*

119,877

**Sponsor:** SC Department of Transportation (SC DOT)

PS PROJECT: 10012431

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

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**BARUCH COASTAL LABORATORY**

**Strosnider, William**

*South Carolina Water Resources Center Program Management*

33,545

**Sponsor:** Clemson University (SC Water Resources Center - SCWRC)/DOI

PS PROJECT: 10012518

AWARD\_PROJECT\_AMT. IF AVAILABLE:

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*

50,000

**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*

110,000

**Sponsor:** Petroleum Research Fund (PRF)/American Chemical Society (ACS)

PS PROJECT: 10012555

AWARD\_PROJECT\_AMT. IF AVAILABLE:

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*

25,610

**Sponsor:** National Science Foundation (NSF)

PS PROJECT: 10012553

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**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

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

**Barra, Monica**

*SSRC Arts Research with Communities of Color (ARCC) Fellowship* 70,000

**Sponsor:** Social Science Research Council (SSRC)/Wallace Foundation

PS PROJECT: 10012516

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Frost, Daniel (Dan)**

*Collaborative Research: RAPID: Capturing the Elgin-Lugoff earthquake swarm with a dense nodal array* 7,390

**Sponsor:** National Science Foundation (NSF)

PS PROJECT: 10012513

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Sociology**

**Henderson-Platt, Andrea**

*Science and Religion of the Human Body (Science and Religion: Identity and Belief Formation)* 42,054

**Sponsor:** Rice University/The Issachar Fund

PS PROJECT: 10012558

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**College of Education**

**Child Development Res. Center**

**Googe, Heather**

*Building a Statewide System for Inclusion 2022-23* 1,233,127

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

PS PROJECT: 10012289

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**Research, Eval., & Measurement**

**Dickenson, Tammiee**

*Evaluation of Young Men United Pilot Program*

35,000

**Sponsor:** United Way of the Midlands/SCDE

PS PROJECT: 10012520

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**SC Educational Policy Center**

**Monrad, Diane**

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

200,000

**Sponsor:** Georgetown County School District/USDE

PS PROJECT: 10012552

AWARD\_PROJECT\_AMT. IF AVAILABLE: 1,000,000

PROJECT YEARS: 5

**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)*

10,000

**Sponsor:** Loram Maintenance of Way, Inc.

PS PROJECT: 10012512

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**Electrical Engineering**

**Booth, Kristen**

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

111,750

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

PS PROJECT: 10012575

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

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**Dougal, Roger**

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

9,294,325

**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*

111,750

**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*

111,750

**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*

111,750

**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*

111,750

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

PS PROJECT: 10012576

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

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**Mechanical Engineering**

**Besmann, Theodore**

*Development of Thermochemical Database for Predicting UN Fuel Systems Under Irradiation* 211,441

**Sponsor:** Westinghouse Electric Company, LLC/DOE

PS PROJECT: 10012527

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 4

*Determining Uncertainties in Computed Vapor Pressures and Solubilities in Values Computed from the MSTDB-TC Library of Relation* 85,245

**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* 111,750

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

PS PROJECT: 10012573

AWARD\_PROJECT\_AMT. IF AVAILABLE:

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* 60,000

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

PS PROJECT: 10012521

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Support for Friction Extrusion of Titanium at PNNL* 42,572

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

PS PROJECT: 10012548

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1



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**College of Information & Comm.**

**School of Information Sciences**

**Cooke, Nicole**

*Spectrum Doctoral Fellowship*

101,401

**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*

36,208

**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*

51,554

**Sponsor:** Alzheimer's Association

PS PROJECT: 10012559

AWARD\_PROJECT\_AMT. IF AVAILABLE: 150,000

PROJECT YEARS: 3

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**College of Social Work**

**Social Work - Dean's Office**

**Browne, Teri**

*Helping Patients Achieve Kidney Transplants through Health System Change* 72,434

**Sponsor:** Duke University/PCORI

PS PROJECT: 10012566

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Darla Moore School of Business**

**Moore Sch - Div. of Research**

**Von Nessen, Joseph**

*South Carolina Arts Commission: Economic Impact Analysis* 15,000

**Sponsor:** SC Arts Commission

PS PROJECT: 10012554

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*NIWC Atlantic: Economic Impact Analysis* 176,000

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

PS PROJECT: 10012560

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Midlands Business Leadership Group: 2022-2023 Competitiveness Report* 20,000

**Sponsor:** Midlands Business Leadership Group

PS PROJECT: 10012561

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**Law Enforcement & Safety**

**UNIVERSITY POLICE DEPARTMENT**

**Birnie, Stephen**

*Bulletproof Vest Partnership 2022* 7,716

**Sponsor:** Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ

PS PROJECT: 10012564

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Body Worn Camera Fund 2023* 65,340

**Sponsor:** SC Department of Public Safety

PS PROJECT: 10012568

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*In Car Camera Video Program 2023* 10,000

**Sponsor:** SC Department of Public Safety

PS PROJECT: 10012569

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**School of Law**

**Children's Law Center**

**Black, Shelandra**

*De-Institutionalizing South Carolina's Status Offenders* 149,299

**Sponsor:** SC Department of Public Safety/DOJ

PS PROJECT: 10012487

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**School of Medicine**

**Cardiovascular Translational Research Center**

**J da Costa, Tiago**

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

71,562

**Sponsor:** American Heart Association (AHA)

PS PROJECT: 10012562

AWARD\_PROJECT\_AMT. IF AVAILABLE: 145,020

PROJECT YEARS: 2

**School of Medicine (Grvl)**

**Medicine Greenville**

**Stevens, Margie**

*Harm Reduction Academic Detailing*

35,000

**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)*

779,697

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

PS PROJECT: 10012543

AWARD\_PROJECT\_AMT. IF AVAILABLE: 4,737,917

PROJECT YEARS: 5

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***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**