Arnold School of Public Health

Applied Research & Evaluation (CARE)
Workman, Lauren
SC Institute of Medicine and Public Health Evaluation Planning
Sponsor: SC Institute of Medicine and Public Health (IMPH)
PS PROJECT: 10012675
AWARD_PROJECT_AMT. IF AVAILABLE: 15,000
PROJECT YEARS: 1

Center for Community Health Alignment
Young, Michael
Johnson and Johnson ORTHE CCHA 2023
Sponsor: SC Research Foundation (SCRF)/Johnson & Johnson Services, Inc.
PS PROJECT: 10012677
AWARD_PROJECT_AMT. IF AVAILABLE: 233,000
PROJECT YEARS: 1

Health Prom., Educ. & Behavior
Blake, Christine
Project: Transforming Agrifood Systems in South Asia (TAFSSA), 204020.001.400
Sponsor: International Food Policy Research Institute (IFPRI)
PS PROJECT: 10012546
AWARD_PROJECT_AMT. IF AVAILABLE: 23,828
PROJECT YEARS: 1

Frongillo, Edward
Redesigning GMPs to improve nutrition, health, and development of children
Sponsor: International Food Policy Research Institute/Bill and Melinda Gates Foundation
PS PROJECT: 10012192
AWARD_PROJECT_AMT. IF AVAILABLE: 173,103
PROJECT YEARS: 1
### Health Services Policy & Mgmt

**Wright, Brad**  
*The Role of Health Centers in Reducing Disparities in Potentially-Preventable Hospital-Based Care among Dual Eligibles*  
Sponsor: University of North Carolina - Chapel Hill/NIMHD/NIH  
AWARD_PROJECT_AMT: 10012626  
PROJECT YEARS: 1

**Using Medicare Claims to Advance Our Understanding of Guillain-Barre Syndrome**  
Sponsor: UNC-Chapel Hill/NINDS/NIH  
AWARD_PROJECT_AMT: 10012639  
PROJECT YEARS: 1

### College of Arts and Sciences

**Archaeology & Anthropology**  

**DePratter, Chester**  
*Artifact Analysis and Curation Services - MCRD Parris Island Museum - RFQ*  
Sponsor: Marine Corps Recruit Depot, Parris Island, SC/DOD  
AWARD_PROJECT_AMT: 10012389  
PROJECT YEARS: 1

**King, Adam**  
*Archaeological Testing at Spanish Mount*  
Sponsor: SC Department of Natural Resources - Heritage Trust Program  
AWARD_PROJECT_AMT: 10012673  
PROJECT YEARS: 1
Baruch Institute
Morris, James
Evaluating Risk of Tidal Marsh Inundation and Monetizing Services to Prioritize Management Actions 39,283

Sponsor: UNC Wilmington/NOAA
PS PROJECT: 10012638
AWARD_PROJECT_AMT. IF AVAILABLE: 39,283
PROJECT YEARS: 1

Chemistry & Biochemistry
Li, Jie
CAREER: Enzymatic sulfur incorporation and modification in the biosynthesis of natural products 519,585

Sponsor: National Science Foundation (NSF)
PS PROJECT: 10012624
AWARD_PROJECT_AMT. IF AVAILABLE: 865,975
PROJECT YEARS: 5

English
Crocker, Holly
Civic Engagement, Voting Rights, and the Founding Documents at the University of South Carolina 500,000

Sponsor: Andrew W. Mellon Foundation
PS PROJECT: 10012641
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 3

Physics & Astronomy
Kulkarni, Varsha
Probing Silicate and Carbonaceous Dust and Ice in Distant Galaxies with Mid-IR Spectroscopy of Quasars with Foreground 2175 Å Absorbers 33,475

Sponsor: NASA / Space Telescope Science Institute (James Webb Space Telescope)
PS PROJECT: 10012645
AWARD_PROJECT_AMT. IF AVAILABLE: 167,376
PROJECT YEARS: 3
Psychology

Coffman, Donna

Developing Methodology to examine causal mediation of Time-Varying Effects in Smoking Cessation Treatments

Sponsor: National Cancer Institute (NCI)/NIH
PS PROJECT: 10012643
AWARD_PROJECT_AMT. IF AVAILABLE: 144,610
PROJECT YEARS: 1

Edmunds, Sarah

Improving the Part C Early Intervention Service Delivery System for Children with ASD: A Randomized Clinical Trial (RISE)

Sponsor: Chan Med School Worcester - University of Massachusetts/NIMH/NIH
PS PROJECT: 10012623
AWARD_PROJECT_AMT. IF AVAILABLE: 70,628
PROJECT YEARS: 3

Hudac, Caitlin

HEALthy Brain and Child Development Study at UAB and UA

Sponsor: University of Alabama Birmingham/NIDA/NIH
PS PROJECT: 10012640
AWARD_PROJECT_AMT. IF AVAILABLE: 45,834
PROJECT YEARS: 1

School of Earth, Ocean & Env.

Ryker, Katherine

Collaborative Research: Quantifying the extent of student learning and affect associated with observed levels of instructional reform

Sponsor: National Science Foundation (NSF)
PS PROJECT: 10012621
AWARD_PROJECT_AMT. IF AVAILABLE: 119,548
PROJECT YEARS: 3
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<td>Nanopore-Based HIV Self-Test for Ultrasensitive p24 Quantification in Finger Prick Blood</td>
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<td>Nuvera Fuel Cells -- Leachate Testing (End of 2022)</td>
<td>Nuvera Fuel Cells, LLC</td>
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Mustain, William
Theory-guided Innovation of High-performance Electrocatalysts for Carbon Dioxide Reduction
Sponsor: University of Puerto Rico/DOE
PS PROJECT: 10012637
AWARD_PROJECT_AMT. IF AVAILABLE: 120,000
PROJECT YEARS: 3

Ritter, James
Development of a Desiccant Heat Recovery System for Combination Clothes Dryer and Washer
Sponsor: SC Research Foundation (SCRF)/Samsung Electronics America, Inc.
PS PROJECT: 10012631
AWARD_PROJECT_AMT. IF AVAILABLE: 122,609
PROJECT YEARS: 1

Electrical Engineering
Nasiri, Adel
Compact Direct Medium Voltage Electric Vehicle Charging Systems
Sponsor: WattEV - Charge America, LLC
PS PROJECT: 10012644
AWARD_PROJECT_AMT. IF AVAILABLE: 1,577,391
PROJECT YEARS: 2

Mechanical Engineering
Downey, Austin
CAREER: Data-Driven Control of High-Rate Dynamic Systems
Sponsor: National Science Foundation (NSF)
PS PROJECT: 10012647
AWARD_PROJECT_AMT. IF AVAILABLE: 107,616
PROJECT YEARS: 5

Xue, Xingjian
Membrane Contactor based CO2 Absorbing Module (MC-CAM)
Sponsor: ChromoLogic/NAWCAD/Navy/DOD
PS PROJECT: 10012657
AWARD_PROJECT_AMT. IF AVAILABLE: 15,000
PROJECT YEARS: 1
College of Pharmacy

**Drug Discovery & Biomed Sci.**

McInnes, Campbell  
*Overcoming Chemoresistance in Triple Negative Breast Cancer*  
19,629  
*Sponsor:* Medical University of South Carolina (MUSC)/NCI/NIH  
PS PROJECT: 10012655  
AWARD_PROJECT_AMT. IF AVAILABLE: 325,546  
PROJECT YEARS: 5

**Pharm - Clin Pharm & Outcomes Sciences**

Teng, Chengwen  
*Safety Assessment of Nirmatrelvir-ritonavir in the FDA Adverse Event Reporting System*  
7,500  
*Sponsor:* American Association of Colleges of Pharmacy  
PS PROJECT: 10012653  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

Darla Moore School of Business

**Moore Sch - Div. of Research**

Von Nessen, Joseph  
*S.C. State Housing Finance and Development Authority: Housing Needs Assessment*  
100,000  
*Sponsor:* SC State Housing Finance and Development Authority  
PS PROJECT: 10012627  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

School of Law

**Children's Law Center**

Black, Shelandra  
*S.C. DJJ Training & Services Contract*  
100,374  
*Sponsor:* SC Department of Juvenile Justice  
PS PROJECT: 10012215  
AWARD_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1
School of Medicine

Cell Biology & Anatomy
Lessner, Susan
Overcoming Chemoresistance in Triple Negative Breast Cancer 16,373

Sponsor: Medical University of South Carolina (MUSC)/NCI/NIH
PS PROJECT: 10012656
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 5

Internal Medicine
Weissman, Sharon
Rapid Response to Incident HIV Infection through Social Network Strategies and Molecular Epidemiology to Inform Partner Services 85,110

Sponsor: UNC Chapel Hill/NIAID/NIH
PS PROJECT: 10012646
AWARD_PROJECT_AMT. IF AVAILABLE: 348,423
PROJECT YEARS: 5

Neuropsychiatry
Narasimhan, Meera
Realizing Improved Patient Care through Human-centered Design for Pediatric Behavioral Health in the Emergency Department (RIPCHD.PED) Patient Safety Learning Lab 36,097

Sponsor: Clemson University/AHRQ/HHS
PS PROJECT: 10012661
AWARD_PROJECT_AMT. IF AVAILABLE: 144,388
PROJECT YEARS: 4

Sacco-Bene, Christine
USC and SCDMH Cooperative Agreement to Provide Graduate Rehabilitation Counseling Courses 19,500

Sponsor: SC Department of Mental Health (SCDMH) - Children Services
PS PROJECT: 10012632
AWARD_PROJECT_AMT. IF AVAILABLE: 100,000
PROJECT YEARS: 4
Pediatrics

Knight, Lisa
The BREATHE Study: Bronchiolitis Recovery and the Use of High Efficiency Particle Air (HEPA) Filters

Sponsor: University of Arkansas - Medical Sciences (UAMS)/NIH
PS PROJECT: 10012672
AWARD_PROJECT_AMT. IF AVAILABLE: 1
PROJECT YEARS: 1

17,674

University Health Services

Health Services

Scott, April
Together We Can Achieve More

Sponsor: Substance Abuse & Mental Health Services Administration (SAMHSA)/HHS
PS PROJECT: 10012620
AWARD_PROJECT_AMT. IF AVAILABLE: 292,900
PROJECT YEARS: 3

65,239

University of SC Aiken

AK Biology & Geology

Shervette, Virginia
Filling in the gaps for data-poor reef fishes in the U.S. Caribbean: research on age, growth, and reproduction for stoplight parrotfish and redtail parrotfish in anticipation of upcoming stock assessments

Sponsor: University of Miami/NOAA/DOC
PS PROJECT: 10012652
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

108,281

Report Total: $5,172,977