Arnold School of Public Health

Applied Research & Evaluation (CARE)

Gillam, Pamela

SFY 2023-2024 Medicaid Eligibility Monitoring and Quality Improvement Contract 2,272,072

Sponsor: SC Department of Health and Human Services

PS PROJECT: 10012288

AWARD_PROJECT_AMT. IF AVAILABLE: 2,272,072

PROJECT YEARS: 2

Murday, David

Risk of Opioid Use Disorder and Related Consequences: A Longitudinal Study of Spinal Cord Injury 6,613

Sponsor: Medical University of South Carolina (MUSC)/ACL - DHHS

PS PROJECT: 10012432

AWARD_PROJECT_AMT. IF AVAILABLE: 26,498

PROJECT YEARS: 2

Communication Sci & Disorders

Neils-Strunjas, Jean

SC CREATE 2023 236,908

Sponsor: SC Department of Education (SCDE)

PS PROJECT: 10012473

AWARD_PROJECT_AMT. IF AVAILABLE: 236,908

PROJECT YEARS: 1

Environmental Health Sciences

Porter, Dwayne

Operational support of the National Estuarine Research Reserve System's Centralized Data Management Office 780,194

Sponsor: National Oceanic & Atmospheric Administration (NOAA)/DOC

PS PROJECT: 10012459

AWARD_PROJECT_AMT. IF AVAILABLE: 780,194

PROJECT YEARS: 1
## Epidemiology & Biostatistics

### Liese, Angela

*Faculty Initiative for Improved Recruitment, Retention, and Experience (FIIRRE) - Admin ASPH*

**Sponsor:** National Cancer Institute (NCI)/NIH  
**AWARD_PROJECT_AMT:** 158,526  
**PS PROJECT:** 10012433  
**PROJECT YEARS:** 5

### Liu, Jihong

*Women in Control of Diabetes (WICO): a Team-based Novel Care Model Targeted at Reducing Treatment Barriers Experienced by Women Across the Lifespan (Professional Services Agreement w/Prisma)*

**Sponsor:** Prisma Health Midlands/Blue Cross Blue Shield of South Carolina Foundation  
**PS PROJECT:** 10012412  
**AWARD_PROJECT_AMT:** 67,632  
**PROJECT YEARS:** 3

### Nolan, Melissa

*CDC Southeastern Center of Excellence in Vector-Borne Diseases: The Gateway Program (Subcontract to University of Florida)*

**Sponsor:** University of Florida/CDC  
**PS PROJECT:** 10012161  
**AWARD_PROJECT_AMT:** 36,125  
**PROJECT YEARS:** 5

### Steck, Susan

*Faculty Initiative for Improved Recruitment, Retention, and Experience (FIIRRE) - Training*

**Sponsor:** National Cancer Institute (NCI)/NIH  
**PS PROJECT:** 10012434  
**AWARD_PROJECT_AMT:** 158,327  
**PROJECT YEARS:** 5
Health Prom., Educ. & Behavior

Frongillo, Edward
What difference does it make? Learning from the stakeholders of the Weekend Food Program about their experiences of program participation 7,132

Sponsor: Every Meal
PS PROJECT: 10012448
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Qiao, Shan
Using a Taxonomic Meta-Analysis to Identify Strategies to Support HIV Treatment Adherence and Retention (NIH contract) 312,362

Sponsor: National Institutes of Health (NIH)
PS PROJECT: 10012508
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Health Services Policy & Mgmt

Brooks, John
Implementing and Evaluating the Comprehensive Integration of Physical Activity into a Major Health System and Connecting Patients to Community-Based Physical Activity Programs 41,913

Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH
PS PROJECT: 10012510
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Ostermann, Jan
Confidential Social Network Referrals for HIV Testing (CONSORT) 184,420

Sponsor: Fogarty International Center (FIC)/NIH
PS PROJECT: 10012480
AWARD_PROJECT_AMT. IF AVAILABLE: 204,318
PROJECT YEARS: 2
Wright, Brad
Heeding Patient Voices: Patient, Nurse, and Event Characteristics Associated with Nurse Judgments
Sponsor: University of Iowa/NIH
PS PROJECT: 10012488
AWARD_PROJECT_AMT. IF AVAILABLE: 23,925
PROJECT YEARS: 1

College of Arts and Sciences

Baruch Institute
Morris, James
LTER: Plum Island Ecosystems, the impact of changing landscapes and climate on interconnected coastal ecosystems
Sponsor: Marine Biological Laboratory/NSF
PS PROJECT: 10012484
AWARD_PROJECT_AMT. IF AVAILABLE: 316,203
PROJECT YEARS: 6

Biological Sciences

Twiss, Jeffery
Targeting Axon Intrinsic Pathways to Accelerate Regeneration and Promote Neuroprotection
Sponsor: SC Research Foundation (SCRF)/Adelson Medical Research Foundation
PS PROJECT: 10012456
AWARD_PROJECT_AMT. IF AVAILABLE: 391,712
PROJECT YEARS: 1

Center for Science Education

Jordan, Donald
USC 2023 Center for Science Education, Junior Science & Humanities Symposium (JSHS)
Sponsor: National Science Teachers Association (NSTA)/DOD
PS PROJECT: 10012506
AWARD_PROJECT_AMT. IF AVAILABLE: 28,252
PROJECT YEARS: 1
Chemistry & Biochemistry

Richardson, Susan

Identifying PFAS Hotspots in Surface Waters of South Carolina Using a New Optimized Total Organic Fluorine Method

Sponsor: Clemson University/USGS/DOI
PS PROJECT: 10012458
AWARD_PROJECT_AMT. IF AVAILABLE: 32,000
PROJECT YEARS: 1

Shustova, Natalia

Organometallic Catalysis from Molecular Catalysts Non-Covalently Confined in Metal-Organic Frameworks

Sponsor: US Department of Energy (DOE)
PS PROJECT: 10012471
AWARD_PROJECT_AMT. IF AVAILABLE: 225,000
PROJECT YEARS: 3

zur Loye, Hans-Conrad

PIONEERING A CERMET WASTE FORM FOR DISPOSAL OF WASTE STREAMS FROM ADVANCED REACTORS (PACE-FORWARD)

Sponsor: Rutgers University/ARPA-E/DOE
PS PROJECT: 10011995
AWARD_PROJECT_AMT. IF AVAILABLE: 88,398
PROJECT YEARS: 1

Mathematics

He, Siming

Topics in Mathematical Biology and Fluid Mechanics (Transferred Award)

Sponsor: National Science Foundation (NSF)
PS PROJECT: 10012511
AWARD_PROJECT_AMT. IF AVAILABLE: 123,611
PROJECT YEARS: 1
Philosophy
McClimens, Leah
Confidential Social Network Referrals for HIV Testing (CONSORT) 19,898
Sponsor: Fogarty International Center (FIC)/NIH
PS PROJECT: 10012481
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 2

Physics & Astronomy
Pershin, Yuriy
RAISE: MemComputing: from software to hardware 112,353
Sponsor: University of California San Diego/NSF
PS PROJECT: 10012418
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 4

Psychology
Hudac, Caitlin
Linking Brain and Behavior: A GRIN2B Biomarker 7,508
Sponsor: GRIN2B Foundation
PS PROJECT: 10012430
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Newman-Norlund, Roger
MRI-based predictors of athletic performance: An archival study of vascular and structural predictors 30,018
Sponsor: SC Research Foundation (SCRF)/Provision
PS PROJECT: 10012420
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1
College of Education

Education - Dean’s Office

Berry, Barnett
Advancing a Coherent System of Teacher and School Leader Development for Deeper, More Equitable Learning and Whole Child Education

Sponsor: Carnegie Corporation of New York

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Teacher Leadership for Whole Child Education

Sponsor: Stuart Foundation

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Bryan, Michelle
Faculty Initiative for Improved Recruitment, Retention, and Experience (FIIRRE) - Evaluation

Sponsor: National Cancer Institute (NCI)/NIH

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Educational Studies

Irvin, Matthew
Institute for Measurement Methodology in Rural STEM Education Postdoctoral Research Fellowship (IMMERSE-PRF)

Sponsor: National Science Foundation (NSF)

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Wang, Guoan
DURIP: ENACT- Enabling Next Adaptive Communication Technologies 795,904
Sponsor: Office of Naval Research (ONR)/DOD
PS PROJECT: 10012501
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Mechanical Engineering
Harik, Ramy
UG 2022-23: Machine Vision and Machine Learning Using Edge Computing to Improve Quality Control 7,500
Sponsor: College of Charleston/SC Space Grant Consortium/NASA EPSCoR
PS PROJECT: 10012475
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

(PI: Noah Swingle) Minimizing Through Thickness Defect Stack-up for Automated Fiber Placement of Composite Laminates via Fiber Path Optimization 15,990
Sponsor: College of Charleston/SC Space Grant Consortium/NASA
PS PROJECT: 10012485
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

Xue, Xingjian
Oxygen Generation for Deployed Army Casualty Care 300,000
Sponsor: ChromoLogic/DOD
PS PROJECT: 10012455
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 2
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<td><em>Preventing in vivo resistance to PI3K/AKT/mTOR inhibitors through Mediator kinase inhibition</em></td>
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Xu, Peisheng
The development of a multifunctional nanoenzyme for AD treatment 159,948

Sponsor: AcePre, LLC./NIA/NIH
PS PROJECT: 10012428
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1

College of Social Work

Social Work - Dean’s Office
Fram, Maryah
What difference does it make? Learning from the stakeholders of the Weekend Food Program about their experiences of program participation 45,990

Sponsor: Every Meal
PS PROJECT: 10012447
AWARD_PROJECT_AMT. IF AVAILABLE: 53,122
PROJECT YEARS: 1

Darla Moore School of Business

Moore Sch - Div. of Research
Von Nessen, Joseph
SCRA: Economic Impact Analysis - FY22 10,000

Sponsor: SC Research Authority (SCRA)
PS PROJECT: 10012460
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 1
Office of Research
IT and Data Management Office
October, 2022   New Awards

Economic Engagement

Ofc of Economic Engagement
Hardaway, Chad
University of South Carolina OEE PTAC 2022-2023 616,086
Sponsor: Defense Logistics Agency(DLA)/DOD
PS PROJECT: 10012502
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

USC OEE PTAC - Matching Funds 2022-2023 170,000
Sponsor: SC Department of Commerce (SCDOC)
PS PROJECT: 10012503
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Hosp., Retail, & Sport Mgmt

Hotel, Restaurant & Tour Mgmt
Harrill, Richard
An Investigation of Visitor Profile and Economic Impact of the Five Points District, Columbia, South Carolina 25,000
Sponsor: Five Points Association
PS PROJECT: 10012449
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Office of the Provost

Provost
Swartz Hilton, M.A., Katherine
Connecting Students to Startups Pilot Project - McNair Institute for Entrepreneurism and Free Enterprise 2021 Relentless Challenge Grant (Funds Received) 50,000
Sponsor: SC Department of Commerce Office of Innovation
PS PROJECT: 10012419
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1
School of Law

Children’s Law Center
Black, Shelandra
South Carolina Senate Contract

Sponsor: South Carolina Senate
PS PROJECT: 10012162
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

242,349

Law - Dean’s Office

Samuels, Joel
Internship Support STO for Ukraine Justice for All (J4A)

Sponsor: Chemonics International/USAID
PS PROJECT: 10012269
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

54,202

School of Medicine

Basic Science Research
Spinale, Francis
Research Service Agreement-Large Animal Lab Manager

Sponsor: US Department of Veterans Affairs
PS PROJECT: 10012411
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 5

79,828

MOU between UofSC and the Dorn Research Institute (to cover 5% effort of Stephanie Samani)

Sponsor: Dorn Research Institute, Inc. (DRI)
PS PROJECT: 10012482
AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

2,603
Office of Research
IT and Data Management Office
October, 2022 New Awards

Internal Medicine
Al-hasan, Majdi

Housing Opportunities for Persons With AIDS

Sponsor: City of Columbia/HUD

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Housing First Program for Persons with Disabilities

Sponsor: City of Columbia

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Pharm., Physiology & Neuroscience
Frizzell, Norma

Targeting Axon Intrinsic Pathways to Accelerate Regeneration and Promote Neuroprotection

Sponsor: SC Research Foundation (SCRF)/Adelson Medical Research Foundation

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School of Medicine (Grvl)

Trilk, Jennifer

Implementing and Evaluating the Comprehensive Integration of Physical Activity into a Major Health System and Connecting Patients to Community-Based Physical Activity Programs

Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH

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University Libraries

Univ Libraries - Dean’s Office

Pappas, Lydia

*Preserving the memories of the Textile Industry through the Spartan Mills Home Movies* 20,000

*Sponsor:* The National Film Preservation Foundation (NFPF)/Library of Congress

- PS PROJECT: 10012454
- AWARD_PROJECT_AMT. IF AVAILABLE:
- PROJECT YEARS: 1

University of SC Aiken

AK Mathematical Sciences

Fadimba, Koffi

*Center for Undergraduate Research in Mathematics (CURM) Mini Grants: Initiation to Mathematic Research* 5,250

*Sponsor:* Center for Understanding Research in Mathematics (CURM)/Occidental College/NSF

- PS PROJECT: 10012438
- AWARD_PROJECT_AMT. IF AVAILABLE:
- PROJECT YEARS: 1

University of SC Beaufort

BFT Natural Sciences

Montie, Eric

*Testing a Novel Strategy to Measure Underwater Radiated Noise of Vessels in Shallow Coastal Oceans* 102,491

*Sponsor:* University of North Carolina Wilmington/Maritime Administration/DOT

- PS PROJECT: 10012410
- AWARD_PROJECT_AMT. IF AVAILABLE:
- PROJECT YEARS: 2
BFT Nursing & Health Professions
Reindl, Diana
Public Health Scholarship Program

Sponsor: Health Resources & Services Administration (HRSA)/HHS
PS PROJECT: 10012504
AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT YEARS: 3

Report Total: $12,791,859