Arnold School of Public Health

**Applied Research & Evaluation (CARE)**

Macauda, Mark  
_Evaluation Services for The Center for Rural and Primary HealthCare: Libraries and Health_  
34,874  
_Sponsor:_ SC Center for Rural and Primary Healthcare/SCDHHS  
PS PROJECT: 10013505  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

Workman, Lauren  
_Sisters of Charity Foundation of South Carolina Poverty Study_  
50,000  
_Sponsor:_ Sisters of Charity Foundation of South Carolina  
PS PROJECT: 10013488  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

**SC Institute of Medicine and Public Health Evaluation 2023-2024**  
49,919  
_Sponsor:_ SC Institute of Medicine and Public Health (IMPH)  
PS PROJECT: 10013500  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1

Communication Sci & Disorders

Adlof, Suzanne  
_Contextual Word Learning in Children with DLD_  
36,782  
_Sponsor:_ University of New York Binghamton/NIH  
PS PROJECT: 10013484  
TOTAL_PROJECT_AMT. IF AVAILABLE:  
PROJECT YEARS: 1
Epidemiology & Biostatistics
Self, Stella
Developing New Statistical Methods for Vector-Borne Disease Surveillance to Improve Accuracy while Reducing Cost
Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH
PS PROJECT: 10013509
TOTAL_PROJECT_AMT. IF AVAILABLE: 3,719,295
PROJECT YEARS: 5

Health Prom., Educ. & Behavior
Friedman, Daniela
Alzheimer’s Disease Research Center Designation
Sponsor: SC Dept of Health & Human Services
PS PROJECT:
TOTAL_PROJECT_AMT. IF AVAILABLE: 803,997
PROJECT YEARS: 1

Health Services Policy & Mgmt
Andrews, Christina
South Carolina Center for Excellence in Addiction – BCBS
Sponsor: SC Department of Alcohol and Other Drug Abuse Services (DAODAS)/BCBS Foundation
PS PROJECT: 10013289
TOTAL_PROJECT_AMT. IF AVAILABLE: 120,600
PROJECT YEARS: 2

College of Arts and Sciences
Chemistry & Biochemistry
Benicewicz, Brian
Gas Separations using Polymer-Grafted Nanoparticle Membranes
Sponsor: US Department of Energy (DOE)
PS PROJECT: 10013469
TOTAL_PROJECT_AMT. IF AVAILABLE: 330,000
PROJECT YEARS: 2
Richardson, Susan
Development of two New Total Organic Fluorine Methods to Determine Total PFAS in PFAS-free Firefighting Foams at Trace Levels 234,224
Sponsor: Strategic Environmental Research and Development Program (SERDP)/DOD
PS PROJECT: 10013497
TOTAL_PROJECT_AMT. IF AVAILABLE: 3
PROJECT YEARS: 3

Criminology & Criminal Justice
Klein, Brent
Trajectories of Targeted Violence: Mobilization Trends and Interdiction Opportunities 393,923
Sponsor: Department of Homeland Security (DHS)
PS PROJECT: 10013471
TOTAL_PROJECT_AMT. IF AVAILABLE: 751,842
PROJECT YEARS: 2

History
Ford, Lacy
The Southern Campaign of the American Revolutionary War Corridor Project 48,929
Sponsor: National Park Service (NPS)/DOI
PS PROJECT: 10013474
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 5

Languages, Literatures, & Cult.
Kisselev, Olesya
CALPER: Center for Advanced Language Proficiency Education and Research 56,981
Sponsor: Pennsylvania State University (PSU)/USDE
PS PROJECT: 10013519
TOTAL_PROJECT_AMT. IF AVAILABLE: 168,401
PROJECT YEARS: 3
### Physics & Astronomy

**Kulkarni, Varsha**  
*An Investigation of Claimed Silicate Dust Crystallinity in a z=0.9 Spiral Galaxy*  
**Sponsor:** Space Telescope Science Institute (STScI)/NASA  
PS PROJECT: 10013528  
TOTAL_PROJECT_AMT. IF AVAILABLE: 28,855  
PROJECT YEARS: 3

### Psychology

**Coffman, Donna**  
*Reducing Urban Cervical Cancer Disparities Using a Tailored mHealth Intervention to Enhance Colposcopy Attendance*  
**Sponsor:** Temple University Health System, Inc./NIH  
PS PROJECT: 10013527  
TOTAL_PROJECT_AMT. IF AVAILABLE: 134,050  
PROJECT YEARS: 5

### Religious Studies

**Mitchem, Stephanie**  
*Amplifying WGST Community-Based Research*  
**Sponsor:** Mellon Foundation  
PS PROJECT: 10013499  
TOTAL_PROJECT_AMT. IF AVAILABLE: 100,000  
PROJECT YEARS: 2

### School of Earth, Ocean & Env.

**White, Scott**  
*Intergovernmental Personnel Act NSF*  
**Sponsor:** National Science Foundation (NSF)  
PS PROJECT: 10013501  
TOTAL_PROJECT_AMT. IF AVAILABLE: 201,401  
PROJECT YEARS: 1
College of Education

Research, Eval., & Measurement

Lewis, Ashlee

*Evaluation of Arts Grow SC 23-24 (FY24)*

**Sponsor:** SC Arts Commission/SCDE/USDE

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**PROJECT YEARS:** 1

College of Engineering & Comp.

Chemical Engineering

Meekins, Benjamin

*Nuvera Fuel Cells (October 2023) -- Component Leachate Testing*

**Sponsor:** Nuvera Fuel Cells, LLC

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**PROJECT YEARS:** 1

Moss, Melissa

*(Pl: Shannon DePratter) SC Space Grant: Exploring Traumatic Brain Injury and Alzheimer’s Disease*

**Sponsor:** College of Charleston/SC Space Grant Consortium/NASA

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**PROJECT YEARS:** 1

*Alzheimer’s Disease Research Center Designation*

**Sponsor:** SC Dept of Health & Human Services

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**PROJECT YEARS:** 1
Shimpalee, Sirivatch
Multiphysics CFD Simulation of Process Columns

Sponsor: Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE

TOTAL_PROJECT_AMT:  30,000
PROJECT YEARS:  3

Wei, Tao
NSF CAREER: Multiscale Simulations of Iron Oxide Nanoparticle-Protein Electron Transfer

Sponsor: National Science Foundation (NSF)

TOTAL_PROJECT_AMT:  325,164
PROJECT YEARS:  2

Civil & Environmental Eng.
Goharian, Erfan
CIROH: Advancing Camera-Based Monitoring for Operational Hydrologic Applications

Sponsor: The University of Alabama/NOAA/DOC

TOTAL_PROJECT_AMT:  75,412
PROJECT YEARS:  3

Computer Science & Engineering
Farkas, Csilla
Educating Future DoD CySP Scholars: Building a Diverse Workforce

Sponsor: Department of Defense (DOD)

TOTAL_PROJECT_AMT:  197,411
PROJECT YEARS:  1

Valafar, Homayoun
(PI - Musa Azeem) Unobtrusive and User-Friendly Acquisition of Multi-sensor Data from Wearable Smartwatch Technology

Sponsor: College of Charleston/SC Space Grant Consortium/NASA

TOTAL_PROJECT_AMT:  6,000
PROJECT YEARS:  1
IIT - Engineering

Middleton, Keiona

Target Management Process Digitalization - Capstone

**Sponsor:** BMW Manufacturing Co., LLC  
**TOTAL_PROJECT_AMT. IF AVAILABLE:** 5,000

**PROJECT YEARS:** 1

Target Management Digitalization Project -- Fall 2023

**Sponsor:** BMW Manufacturing Co., LLC  
**TOTAL_PROJECT_AMT. IF AVAILABLE:** 5,000

**PROJECT YEARS:** 1

College of Pharmacy

**Drug Discovery & Biomed Sci.**

Francis, T. Chase

**Contribution Of The Nucleus Accumbens To Depression Relapse**

**Sponsor:** Brain and Behavior Research Foundation  
**TOTAL_PROJECT_AMT. IF AVAILABLE:** 35,000

**PROJECT YEARS:** 2

Palmetto Poison Center

Michels, Jill

**Palmetto Poison Center Prevention Outreach and Education to the Public and Healthcare Professionals**

**Sponsor:** SC Department of Heath and Human Services (SC DHHS)  
**TOTAL_PROJECT_AMT. IF AVAILABLE:** 1,070,000

**PROJECT YEARS:** 3
Pharm - Clin Pharm & Outcomes Sciences
Fabel, Patricia
Community Pharmacy-Provided Maternal Health Services Training and Implementation Toolkit Program Pilot - Year 2
Sponsor: SC Center for Rural and Primary Healthcare, UofSC School of Medicine Educational Trust/SC DHHS
PS PROJECT: 10013521
TOTAL_PROJECT_AMT. IF AVAILABLE: 137,487
PROJECT YEARS: 1

College of Social Work
Social Work - Dean's Office
Iachini, Aidyn
Rural Occupations Workforce Expansion (ROWE): Educating and Training Behavioral Health Students and Providers Across SC
Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS
PS PROJECT: 10013136
TOTAL_PROJECT_AMT. IF AVAILABLE: 186,376
PROJECT YEARS: 2

Xu, Yanfeng
The Use of Telemental Health Services among Foster Children in Rural South Carolina: A Mixed-Methods Study
Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS
PS PROJECT: 10013246
TOTAL_PROJECT_AMT. IF AVAILABLE: 36,025
PROJECT YEARS: 1

Darla Moore School of Business
Moore Sch - Dean's Office
Niehaus, Greg
Climate Change Risk Management, Insurance, and Finance Course Proposal
Sponsor: Spencer Educational Foundation, Inc.
PS PROJECT: 10013515
TOTAL_PROJECT_AMT. IF AVAILABLE: 10,000
PROJECT YEARS: 1
Economic Engagement

Ofc of Economic Engagement
Hardaway, Chad
SC Apex 2023 (PTAC) 360,645

**Sponsor:** Defense Logistics Agency(DLA)/DOD
PS PROJECT: 10013458
TOTAL_PROJECT_AMT. IF AVAILABLE: 360,645
PROJECT YEARS: 1

SPOT Visual Inspection Platform - Phase 1 14,000

**Sponsor:** Michelin
PS PROJECT: 10013494
TOTAL_PROJECT_AMT. IF AVAILABLE: 14,000
PROJECT YEARS: 1

University of South Carolina OEE Apex - Matching Funds 2023-2024 170,000

**Sponsor:** SC Department of Commerce (SCDOC)
PS PROJECT: 10013507
TOTAL_PROJECT_AMT. IF AVAILABLE: 170,000
PROJECT YEARS: 1

Law Enforcement & Safety

UNIVERSITY POLICE DEPARTMENT
Birnie, Stephen
Body Worn Camera Fund 2024 65,340

**Sponsor:** SC Department of Public Safety
PS PROJECT: 10013487
TOTAL_PROJECT_AMT. IF AVAILABLE: 65,340
PROJECT YEARS: 1
Research, Vice President for

Office Research - General
Bakos, Lumi

Alzheimer's Disease Research Center Designation

Sponsor: SC Dept of Health & Human Services

1,820,028

TOTAL_PROJECT_AMT. IF AVAILABLE: 3,333,333

PROJECT YEARS: 1

School of Law

Law - Dean's Office
Samuels, Joel

Justice Sector Training, Research, and Coordination (JusTRAC) 3.0

Sponsor: Bureau of International Narcotics and Law Enforcement Affairs (INL)/DOS

8,824,137

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 5

Understanding Chinese Engagement in South Asia (UCESA)

Sponsor: Global Engagement Center (GEC)/DOS

800,000

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Wallace, Clinton

USC School of Law Low Income Tax Clinic

Sponsor: Internal Revenue Service (IRS)

81,360

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1
School of Medicine

**MDC Office of Dean**
Rahemtullah, Omme-Salma

*Nutrition Incentive Hub Capacity Building Fund Award - Grant Writer*

**Sponsor:** SC Research Foundation (SCRF)/Fair Food Network/USDA

TOTAL_PROJECT_AMT. IF AVAILABLE: 23,419

**Obstetrics & Gynecology**
Sims, Kerry

*PALS- Providing Active Labor Support for High-Risk Birth Facility in Columbia, SC*

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

TOTAL_PROJECT_AMT. IF AVAILABLE: 658,000

**Path, Microbio. & Immunology**
Oskeritzian, Carole

*Differential regulation of mast cell-mediated allergic responses*

**Sponsor:** University of Connecticut/NIAID/NIH

TOTAL_PROJECT_AMT. IF AVAILABLE: 21,436

School of Medicine (Grvl)

**Medicine Greenville**
Porter-Stransky, Kirsten

*ScholarRx bricks within a decelerated curriculum to promote successful advancement to clerkships for academically at-risk medical students*

**Sponsor:** ScholarRx

TOTAL_PROJECT_AMT. IF AVAILABLE: 3,800
University of SC Beaufort

**BFT Public Safety**

**Epstein, Sheldon**

2024 Fiscal Yr. - South Carolina DPS Body Worn Cameras

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

- PS PROJECT: 10013522
- TOTAL_PROJECT_AMT. IF AVAILABLE: 11,403
- PROJECT YEARS: 1

**Report Total:** $19,008,270