Office of Research
IT and Data Management Offfice
October, 2023   New Awards

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

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Epidemiology & Biostatistics
Self, Stella

Developing New Statistical Methods for Vector-Borne Disease Surveillance to Improve Accuracy while Reducing Cost   758,556

   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   803,997

   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   59,257

   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   131,961

   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:
> > 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

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Physics & Astronomy

Kulkarni, Varsha

An Investigation of Claimed Silicate Dust Crystallinity in a z=0.9 Spiral Galaxy   28,855

> *Sponsor:* Space Telescope Science Institute (STScI)/NASA

> > PS PROJECT: 10013528
> > TOTAL_PROJECT_AMT. IF AVAILABLE:
> > PROJECT YEARS: 3

Psychology

Coffman, Donna

Reducing Urban Cervical Cancer Disparities Using a Tailored mHealth Intervention to Enhance Colposcopy Attendance   26,810

> *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   100,000

> *Sponsor:* Mellon Foundation

> > PS PROJECT: 10013499
> > TOTAL_PROJECT_AMT. IF AVAILABLE:
> > PROJECT YEARS: 2

School of Earth, Ocean & Env.

White, Scott

Intergovernmental Personnel Act NSF   201,401

> *Sponsor:* National Science Foundation (NSF)

> > PS PROJECT: 10013501
> > TOTAL_PROJECT_AMT. IF AVAILABLE:
> > PROJECT YEARS: 1

Office of Research
IT and Data Management Offfice
October, 2023   New Awards

College of Education

Research, Eval., & Measurement
Lewis, Ashlee

Evaluation of Arts Grow SC 23-24 (FY24)   300,000

    Sponsor: SC Arts Commission/SCDE/USDE

       PS PROJECT: 10013072

       TOTAL_PROJECT_AMT. IF AVAILABLE: 350,000

       PROJECT YEARS: 1

College of Engineering & Comp.

Chemical Engineering
Meekins, Benjamin

Nuvera Fuel Cells (October 2023) -- Component Leachate Testing   2,550

    Sponsor: Nuvera Fuel Cells, LLC

       PS PROJECT: 10013523

       TOTAL_PROJECT_AMT. IF AVAILABLE:

       PROJECT YEARS: 1

Moss, Melissa

(PI: Shannon DePratter) SC Space Grant: Exploring Traumatic Brain Injury and Alzheimer's Disease   7,500

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

       PS PROJECT: 10013498

       TOTAL_PROJECT_AMT. IF AVAILABLE:

       PROJECT YEARS: 1

Alzheimer's Disease Research Center Designation   709,308

    Sponsor: SC Dept of Health & Human Services

       PS PROJECT:

       TOTAL_PROJECT_AMT. IF AVAILABLE: 709,308

       PROJECT YEARS: 1

Shimpalee, Sirivatch
Multiphysics CFD Simulation of Process Columns   30,000

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

       PS PROJECT: 10013473
       TOTAL_PROJECT_AMT. IF AVAILABLE: 330,000
       PROJECT YEARS: 3

Wei, Tao
NSF CAREER: Multiscale Simulations of Iron Oxide Nanoparticle-Protein Electron Transfer   325,164

    Sponsor: National Science Foundation (NSF)

       PS PROJECT: 10013525
       TOTAL_PROJECT_AMT. IF AVAILABLE: 549,997
       PROJECT YEARS: 2

Civil & Environmental Eng.
Goharian, Erfan
CIROH: Advancing Camera-Based Monitoring for Operational Hydrologic Applications   75,412

    Sponsor: The University of Alabama/NOAA/DOC

       PS PROJECT: 10013495
       TOTAL_PROJECT_AMT. IF AVAILABLE: 219,727
       PROJECT YEARS: 3

Computer Science & Engineering
Farkas, Csilla
Educating Future DoD CySP Scholars: Building a Diverse Workforce   197,411

    Sponsor: Department of Defense (DOD)

       PS PROJECT: 10013517
       TOTAL_PROJECT_AMT. IF AVAILABLE:
       PROJECT YEARS: 1

Valafar, Homayoun
(PI - Musa Azeem) Unobtrusive and User-Friendly Acquisition of Multi-sensor Data from Wearable Smartwatch Technology   6,000

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

       PS PROJECT: 10013472
       TOTAL_PROJECT_AMT. IF AVAILABLE:
       PROJECT YEARS: 1

Office of Research
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October, 2023   New Awards

IT - Engineering
Middleton, Keiona

Target Management Process Digitalization - Capstone   5,000

    Sponsor: BMW Manufacturing Co., LLC

        PS PROJECT: 10013489

        TOTAL_PROJECT_AMT. IF AVAILABLE:

        PROJECT YEARS: 1

Target Management Digitalization Project -- Fall 2023   5,000

    Sponsor: BMW Manufacturing Co., LLC

        PS PROJECT: 10013508

        TOTAL_PROJECT_AMT. IF AVAILABLE:

        PROJECT YEARS: 1

College of Pharmacy

Drug Discovery & Biomed Sci.
Francis, T. Chase

Contribution Of The Nucleus Accumbens To Depression Relapse   35,000

    Sponsor: Brain and Behavior Research Foundation

        PS PROJECT: 10013516

        TOTAL_PROJECT_AMT. IF AVAILABLE: 70,000

        PROJECT YEARS: 2

Palmetto Poison Center
Michels, Jill

Palmetto Poison Center Prevention Outreach and Education to the Public and Healthcare Professionals   1,070,000

    Sponsor: SC Department of Heath and Human Services (SC DHHS)

        PS PROJECT: 10013342

        TOTAL_PROJECT_AMT. IF AVAILABLE: 3,360,000

        PROJECT YEARS: 3

Pharm - Clin Pharm & Outcomes Sciences
Fabel, Patricia

Community Pharmacy-Provided Maternal Health Services Training and Implementation Toolkit Program Pilot - Year 2 137,487

    Sponsor: SC Center for Rural and Primary Healthcare, UofSC School of Medicine Educational Trust/SC DHHS

        PS PROJECT: 10013521

        TOTAL_PROJECT_AMT. IF AVAILABLE:

        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 186,376

    Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS

        PS PROJECT: 10013136

        TOTAL_PROJECT_AMT. IF AVAILABLE:

        PROJECT YEARS: 2

Xu, Yanfeng

The Use of Telemental Health Services among Foster Children in Rural South Carolina: A Mixed-Methods Study 36,025

    Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS

        PS PROJECT: 10013246

        TOTAL_PROJECT_AMT. IF AVAILABLE: 50,000

        PROJECT YEARS: 1

Darla Moore School of Business

Moore Sch - Dean's Office
Niehaus, Greg

Climate Change Risk Management, Insurance, and Finance Course Proposal 10,000

    Sponsor: Spencer Educational Foundation, Inc.

        PS PROJECT: 10013515

        TOTAL_PROJECT_AMT. IF AVAILABLE:

        PROJECT YEARS: 1

Office of Research
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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:
        PROJECT YEARS: 1

SPOT Visual Inspection Platform - Phase 1   14,000
    Sponsor: Michelin
        PS PROJECT: 10013494
        TOTAL_PROJECT_AMT. IF AVAILABLE:
        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:
        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:
        PROJECT YEARS: 1

Office of Research
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Research, Vice President for

Office Research - General
Bakos, Lumi
Alzheimer's Disease Research Center Designation   1,820,028

    Sponsor: SC Dept of Health & Human Services

        PS PROJECT:
        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   8,824,137

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

        PS PROJECT: 10013464
        TOTAL_PROJECT_AMT. IF AVAILABLE:
        PROJECT YEARS: 5

Understanding Chinese Engagement in South Asia (UCESA)   800,000

    Sponsor: Global Engagement Center (GEC)/DOS

        PS PROJECT: 10013468
        TOTAL_PROJECT_AMT. IF AVAILABLE:
        PROJECT YEARS: 2

Wallace, Clinton
USC School of Law Low Income Tax Clinic   81,360

    Sponsor: Internal Revenue Service (IRS)

        PS PROJECT: 10013104
        TOTAL_PROJECT_AMT. IF AVAILABLE:
        PROJECT YEARS: 1

Office of Research
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October, 2023   New Awards

School of Medicine

MDC Office of Dean
Rahemtullah, Omme-Salma

Nutrition Incentive Hub Capacity Building Fund Award - Grant Writer   23,419

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

        PS PROJECT: 10013506
        TOTAL_PROJECT_AMT. IF AVAILABLE:
        PROJECT YEARS: 1

Obstetrics & Gynecology
Sims, Kerry

PALS- Providing Active Labor Support for High-Risk Birth Facility in Columbia, SC   658,000

    Sponsor: USC Educational Foundation/The Duke Endowment

        PS PROJECT: 10013465
        TOTAL_PROJECT_AMT. IF AVAILABLE:
        PROJECT YEARS: 3

Path, Microbio. & Immunology
Oskeritzian, Carole

Differential regulation of mast cell-mediated allergic responses   21,436

    Sponsor: University of Connecticut/NIAID/NIH

        PS PROJECT: 10013510
        TOTAL_PROJECT_AMT. IF AVAILABLE: 42,872
        PROJECT YEARS: 2

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   3,800

    Sponsor: ScholarRx

        PS PROJECT: 10013514
        TOTAL_PROJECT_AMT. IF AVAILABLE:
        PROJECT YEARS: 2

University of SC Beaufort

BFT Public Safety
Epstein, Sheldon

2024 Fiscal Yr.- South Carolina DPS Body Worn Cameras   11,403

        Sponsor: SC Department of Public Safety (SC DPS)

           PS PROJECT: 10013522
           TOTAL_PROJECT_AMT. IF AVAILABLE:
           PROJECT YEARS: 1

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