

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

October, 2022 New Awards

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**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:

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:

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:

PROJECT YEARS: 1

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

**October, 2022 New Awards**

---

**Epidemiology & Biostatistics**

**Liese, Angela**

*Faculty Initiative for Improved Recruitment, Retention, and Experience (FIIRRE) - Admin ASPH* 158,526

**Sponsor:** National Cancer Institute (NCI)/NIH

PS PROJECT: 10012433

AWARD\_PROJECT\_AMT. IF AVAILABLE: 13,193,017

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)* 67,632

**Sponsor:** Prisma Health Midlands/Blue Cross Blue Shield of South Carolina Foundation

PS PROJECT: 10012412

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**Nolan, Melissa**

*CDC Southeastern Center of Excellence in Vector-Borne Diseases: The Gateway Program (Subcontract to University of Florida)* 36,125

**Sponsor:** University of Florida/CDC

PS PROJECT: 10012161

AWARD\_PROJECT\_AMT. IF AVAILABLE: 329,625

PROJECT YEARS: 5

**Steck, Susan**

*Faculty Initiative for Improved Recruitment, Retention, and Experience (FIIRRE) - Training* 158,327

**Sponsor:** National Cancer Institute (NCI)/NIH

PS PROJECT: 10012434

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

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

**October, 2022 New Awards**

---

**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

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

**October, 2022 New Awards**

---

**Wright, Brad**

*Heeding Patient Voices: Patient, Nurse, and Event Characteristics Associated with Nurse Judgments* 23,925

**Sponsor:** University of Iowa/NIH

PS PROJECT: 10012488

AWARD\_PROJECT\_AMT. IF AVAILABLE:

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* 45,213

**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* 348,136

**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)* 28,252

**Sponsor:** National Science Teachers Association (NSTA)/DOD

PS PROJECT: 10012506

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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

October, 2022 New Awards

---

**Chemistry & Biochemistry**

**Richardson, Susan**

*Identifying PFAS Hotspots in Surface Waters of South Carolina Using a New Optimized Total Organic Fluorine Method* 32,000

**Sponsor:** Clemson University/USGS/DOI

PS PROJECT: 10012458

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Shustova, Natalia**

*Organometallic Catalysis from Molecular Catalysts Non-Covalently Confined in Metal-Organic Frameworks* 75,000

**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)* 88,398

**Sponsor:** Rutgers University/ARPA-E/DOE

PS PROJECT: 10011995

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Mathematics**

**He, Siming**

*Topics in Mathematical Biology and Fluid Mechanics (Transferred Award)* 94,323

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

PS PROJECT: 10012511

AWARD\_PROJECT\_AMT. IF AVAILABLE: 123,611

PROJECT YEARS: 1

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

October, 2022 New Awards

---

**Philosophy**

**McClimans, 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

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

October, 2022 New Awards

---

**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* 200,000

**Sponsor:** Carnegie Corporation of New York

PS PROJECT: 10012450

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Teacher Leadership for Whole Child Education* 50,000

**Sponsor:** Stuart Foundation

PS PROJECT: 10012486

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Bryan, Michelle**

*Faculty Initiative for Improved Recruitment, Retention, and Experience (FIIRRE) - Evaluation* 82,521

**Sponsor:** National Cancer Institute (NCI)/NIH

PS PROJECT: 10012436

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

**Educational Studies**

**Irvin, Matthew**

*Institute for Measurement Methodology in Rural STEM Education Postdoctoral Research Fellowship (IMMERSE-PRF)* 1,205,171

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

PS PROJECT: 10012451

AWARD\_PROJECT\_AMT. IF AVAILABLE: 1,249,871

PROJECT YEARS: 3

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

October, 2022 New Awards

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**Research, Eval., & Measurement**

**D'Amico, Leigh**

*Institute for Measurement Methodology in Rural STEM Education Postdoctoral Research Fellowship (IMMERSE-PRF) - REM* 44,700

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

PS PROJECT: 10012453

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**College of Engineering & Comp.**

**Computer Science & Engineering**

**Farkas, Csilla**

*Context-Aware and Adaptive Authorization Framework for Critical Infrastructure* 494,828

**Sponsor:** National Security Agency (NSA)/DOD

PS PROJECT: 10012474

AWARD\_PROJECT\_AMT. IF AVAILABLE: 737,619

PROJECT YEARS: 3

**Electrical Engineering**

**Khan, Asif**

*Low-resistivity Ohmic Contacts for Extreme Bandgap Nitride Semiconductors and their Digital Alloys* 55,000

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

PS PROJECT: 10012505

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**Matolak, David**

*A Toolkit for UAM Communications Management* 15,000

**Sponsor:** Mosaic ATM, Inc./NASA

PS PROJECT: 10012429

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1



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

**October, 2022 New Awards**

---

**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

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

October, 2022 New Awards

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**College of Information & Comm.**

**Journalism & Mass Comm.**

**McKeever, Brooke**

*Page Fellow Grant Agreement No. 2023XFL001 (Contract)*

18,000

**Sponsor:** The Pennsylvania State University, College of Communications Arthur W. Page Center

PS PROJECT: 10012500

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 4

**College of Nursing**

**Nursing**

**Jenerette, Coretta**

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

47,620

**Sponsor:** National Cancer Institute (NCI)/NIH

PS PROJECT: 10012435

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

**College of Pharmacy**

**Drug Discovery & Biomed Sci.**

**Broude, Eugenia**

*Preventing in vivo resistance to PI3K/AKT/mTOR inhibitors through Mediator kinase inhibition*

131,486

**Sponsor:** Senex Biotechnology, Inc./NIH

PS PROJECT: 10012498

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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

October, 2022 New Awards

---

**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

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**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

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

October, 2022 New Awards

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**School of Law**

**Children's Law Center**

**Black, Shelandra**

*South Carolina Senate Contract*

242,349

**Sponsor:** South Carolina Senate

PS PROJECT: 10012162

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Law - Dean's Office**

**Samuels, Joel**

*Internship Support STO for Ukraine Justice for All (J4A)*

54,202

**Sponsor:** Chemonics International/USAID

PS PROJECT: 10012269

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**School of Medicine**

**Basic Science Research**

**Spinale, Francis**

*Research Service Agreement-Large Animal Lab Manager*

79,828

**Sponsor:** US Department of Veterans Affairs

PS PROJECT: 10012411

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

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

2,603

**Sponsor:** Dorn Research Institute, Inc. (DRI)

PS PROJECT: 10012482

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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

October, 2022 New Awards

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**Internal Medicine**

**Al-hasan, Majdi**

*Housing Opportunities for Persons With AIDS* 281,813

**Sponsor:** City of Columbia/HUD

PS PROJECT: 10012177

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*Housing First Program for Persons with Disabilities* 153,000

**Sponsor:** City of Columbia

PS PROJECT: 10012402

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Pharm., Physiology & Neuroscience**

**Frizzell, Norma**

*Targeting Axon Intrinsic Pathways to Accelerate Regeneration and Promote Neuroprotection* 43,576

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

PS PROJECT: 10012457

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**School of Medicine (Grvl)**

**Medicine Greenville**

**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* 598,755

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

PS PROJECT: 10012509

AWARD\_PROJECT\_AMT. IF AVAILABLE: 640,668

PROJECT YEARS: 1

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

October, 2022 New Awards

---

**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

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

October, 2022 New Awards

---

***BFT Nursing & Health Professions***

**Reindl, Diana**

*Public Health Scholarship Program*

1,500,000

**Sponsor:** Health Resources & Services Administration (HRSA)/HHS

PS PROJECT: 10012504

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**Report Total:**

**\$12,791,859**