

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

December, 2023 New Awards

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**Arnold School of Public Health**

***Epidemiology & Biostatistics***

**Cai, Bo**

*SC Muscular Dystrophy Surveillance, Tracking, and Research Network (SC MD STARnet)* 59,846  
*Subcontract NOFO #DD19-002 Component A - Year 5*

**Sponsor:** SC Department of Health & Environmental Control (DHEC)/CDC

PS PROJECT: 10013248

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Ghosal, Rahul**

*Using Open-Source Technology to Measure Energy Expenditure and Sleep Among Children 3 to 8 Years Old* 18,866

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

PS PROJECT: 10013609

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

***Exercise Science***

**Armstrong, Bridget**

*Using Open-Source Technology to Measure Energy Expenditure and Sleep Among Children 3 to 8 Years Old* 549,065

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

PS PROJECT: 10013606

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 3,515,039

PROJECT YEARS: 5

**Weaver, Glenn**

*Identifying Patterns of BMI Development and Associated Behavioral, Social, Environmental, Genetic, and Biological Factors for Children from 3-10 Years* 506,275

**Sponsor:** National Institute of Child Health & Human Development (NICHD)/NIH

PS PROJECT: 10013518

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 2,662,432

PROJECT YEARS: 5

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**Health Services Policy & Mgmt**

**Ostermann, Jan**

*AHCRA: Access to Health Care in Rural Appalachia*

44,535

**Sponsor:** Wake Forest University/NIH

PS PROJECT: 10013553

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**College of Arts and Sciences**

**Archaeology & Anthropology**

**King, Adam**

*NAGPRA Collections Documentation - 2023*

99,953

**Sponsor:** National Park Service (NPS)/DOI

PS PROJECT: 10013600

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**Biological Sciences**

**Wethey, David**

*High Resolution Sea Surface Temperature from ECOSTRESS*

61,464

**Sponsor:** National Aeronautics & Space Administration (NASA)

PS PROJECT: 10013611

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 288,208

PROJECT YEARS: 3

**Chemistry & Biochemistry**

**zur Loye, Hans-Conrad**

*EAGER: Exploration of Apatite Room Temperature Superconductor Phase Space*

299,996

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

PS PROJECT: 10013602

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

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**Psychology**

**Coffman, Donna**

*Assessing Everyday Function in Older Adults with the Virtual Kitchen (Subaward from Temple (Giovannetti))* 10,817

**Sponsor:** Temple University/NIH

PS PROJECT: 10013591

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Smith, Courtnie**

*Building Bridges Between Families and Schools* 139,544

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

PS PROJECT: 10013598

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**College of Education**

**Educational & Developmental Science**

**Plotner, Tony**

*CarolinaLife CAP 2023-2024* 126,000

**Sponsor:** SC Vocational Rehabilitation Department (SCVRD)

PS PROJECT: 10013622

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 252,000

PROJECT YEARS: 2

**Research, Eval., & Measurement**

**D'Amico, Leigh**

*Scaling Capacity: Developing Residents and Educators Around Equity-Centered MTSS (SC-DREAM)* 114,792

**Sponsor:** US Department of Education (USDE)

PS PROJECT: 10013621

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

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**Teacher Education**

**Harbour, Kristin**

*Scaling Capacity: Developing Residents and Educators Around Equity-Centered MTSS (SC-DREAM)* 433,242

**Sponsor:** US Department of Education (USDE)

PS PROJECT: 10013620

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 4,719,035

PROJECT YEARS: 5

**Muller, Meir**

*Reigniting the Historic Alliance: Preparing Historically Black Colleges and Universities 101 Students to Confront Antisemitism* 25,000

**Sponsor:** Academic Engagement Network (AEN)

PS PROJECT: 10013589

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 75,000

PROJECT YEARS: 3

**College of Engineering & Comp.**

**Chemical Engineering**

**Mustain, William**

*Fraunhofer: High Fidelity Digital Twins for Large Scale Energy Storage Batteries -- Dept. of Commerce* 636,474

**Sponsor:** SC Fraunhofer USA Alliance (SCFUSA) Program - SC Department of Commerce

PS PROJECT: 10013592

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Wei, Tao**

*Understand Aromatic Motif Structure and Filtration Relationships of Polyamide Barrier Layers in Reverse Osmosis Membranes* 48,622

**Sponsor:** Stony Brook University/NSF

PS PROJECT: 10013601

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 114,785

PROJECT YEARS: 2

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**Electrical Engineering**

**Chandrashekhar, MVS**

*Using Open-Source Technology to Measure Energy Expenditure and Sleep Among Children 3 to 8 Years Old* 69,905

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

PS PROJECT: 10013607

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

**College of Social Work**

**Families in Society, Institute**

**Shapiro, Cheri**

*Building Bridges Between Families and Schools* 461,956

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

PS PROJECT: 10013597

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**School of Medicine**

**Cell Biology & Anatomy**

**Evans, Colin**

*Promoting Endothelial Regeneration and Vascular Repair After Inflammatory Lung Injury* 100,000

**Sponsor:** American Heart Association (AHA)

PS PROJECT: 10013604

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 300,000

PROJECT YEARS: 3

**Pediatrics**

**Brown, David**

*Using Open-Source Technology to Measure Energy Expenditure and Sleep Among Children 3 to 8 Years Old* 8,964

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

PS PROJECT: 10013608

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

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**Pharm., Physiology & Neuroscience**

**Ryan, Michael**

*Improving awareness of women with hypertension: ROAR (Rural, Obese, At Risk) - Project 3* 235,672

**Sponsor:** Augusta University/NHLBI/NIH

PS PROJECT: 10013563

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

*Improving awareness of women with hypertension: ROAR (Rural, Obese, At Risk) - Leadership - Administrative Core* 6,923

**Sponsor:** Augusta University/NHLBI/NIH

PS PROJECT: 10013564

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

*Improving awareness of women with hypertension: ROAR (Rural, Obese, At Risk) - Education-Outreach Core* 23,144

**Sponsor:** Augusta University/NHLBI/NIH

PS PROJECT: 10013565

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 5

**University of SC Aiken**

**AK Childrens Center**

**Williams, Lynnette**

*DSS Materials and Health/Safety Grant 2023* 50,000

**Sponsor:** SC Department of Social Services (DSS)

PS PROJECT: 10013628

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**University of SC Beaufort**

***BFT Fine Arts***

**Angell, Eliot**

*USCB Emerging Artists 2023-2024*

11,865

**Sponsor:** SC Arts Commission

PS PROJECT: 10013638

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

***BFT Social Sciences***

**Cavanagh, Kimberly**

*From Mahrabouy to Barnwell Tabby: Unearthing the 250-Year Journey of One Hilton Head Island Building*

12,617

**Sponsor:** SC Humanities/NEH

PS PROJECT: 10013593

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Report Total:**

**\$4,155,537**