

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

Arnold School of Public Health

Applied Research & Evaluation (CARE)

Workman, Lauren

Title: Work.Harmony.You. Evaluation

Sponsor: SC Hospital Association Foundation

Total Projected: \$22,744

Project Years: 1

Center for Community Health Alignment

Holderby-Fox, Lisa Renee

Title: Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health; CDC-RFA-PW-24-00800101SUPP24Category B, Strategy 2

Sponsor: State of Wisconsin Department of Health Services/HHS

Total Projected: \$45,000

Project Years: 1

Environmental Health Sciences

Jilling, Andrea

Title: Assessing the vulnerability of particulate and mineral-associated organic matter formed under variable moisture

Sponsor: National Institute of Food & Agriculture (NIFA)/USDA

Total Projected: \$295,598

Project Years: 2

Exercise Science

Pate, Russ

Title: South Carolina FitnessGram Data Analyses - Contract with SC Department of Public Health

Sponsor: SC Department of Public Health (DPH)

Total Projected: \$248,000

Project Years: 4

Office of VP for Research IT and Data Management Office

Health Services Policy & Mgmt

Ostermann, Jan

Title: Differences in Mental Health In Lesbian, Gay and Bi-Attracted Persons (SMILE)

Sponsor: Duke University/NIMH/NIH

Total Projected: \$40,761

Project Years: 1

Title: (Resub) National Implementation of an Evidence-Based HIV Prevention Program: Multilevel Scale-up Strategies and Precision Prevention

Sponsor: University of Massachusetts/NIH

Total Projected: \$18,087

Project Years: 1

College of Education

Educational & Developmental Science

Rose, Chad

Title: Impact of Disability Anti-bullying Training for Elementary Special and General Education Teachers (PROJECT DIAL): Impact on Teacher Awareness and Self-Efficacy and Student Outcomes

Sponsor: US Department of Education (USDE)

Total Projected: \$3,368,877

Project Years: 4

Title: Evaluation of the K-5 Second Step Social-Emotional Learning Program and Bully Prevention Unit: Impact on Youth Violence and School Climate Among Students With and at Risk for Disability Identification

Sponsor: US Department of Education (USDE)

Total Projected: \$3,081,538

Project Years: 4

Office of VP for Research IT and Data Management Office

Yell, Mitchell

Title: PASE Preparing Administrators of Special Education

Sponsor: Rutgers University/USDE

Total Projected: \$1,246,707

Project Years: 5

Teacher Education

Whitworth, Brooke

Title: Examining the Role of District Science Coordinator Professional Learning in Supporting and Retaining Science Teachers (SPLENDIT)

Sponsor: National Science Foundatin (NSF)

Total Projected: \$999,995

Project Years: 1

College of Information & Comm.

Journalism & Mass Comm.

Xiao, Anli

Title: Mapping the World of Contention: Extending Corporate Social Advocacy Across National Boundaries

Sponsor: Arthur W. Page Center

Total Projected: \$5,000

Project Years: 1

School of Information Sciences

Tu-Keefner, Feili

Title: Translating Disaster Research to Action: Empowering Library Leaders with Evidence and Strategies for Community Resiliency

Sponsor: Florida State University (FSU)/IMLS

Total Projected: \$49,516

Project Years: 2

**Office of VP for Research
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College of Social Work

Social Work - Dean's Office

Gowdy, Elizabeth (Ann)

Title: YEA! (Youth Engagement Advocates) Model Development

Sponsor: USC Educational Foundation/The Duke Endowment

Total Projected: \$1,071,000

Project Years: 4

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

Title: South Carolina Captive Insurance Association: Economic Impact Analysis

Sponsor: SC Captive Insurance Association (SCCIA)

Total Projected: \$22,500

Project Years: 1

Title: S.C. Dept. of Environmental Services: Economic Impact and ROI Analysis

Sponsor: SC Department of Environmental Services (DES)

Total Projected: \$96,550

Project Years: 1

Title: S.C. Dept. of Veterans' Affairs: Economic Impact Analysis (2025)

Sponsor: SC Department of Veterans' Affairs (SCDVA)

Total Projected: \$115,250

Project Years: 1

**Office of VP for Research
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Joseph F. Rice School of Law

Children's Law Center

Lidge, Cody

Title: FY26 CIP Basic

Sponsor: SC Judicial Branch - SC Court Administration/HHS

Total Projected: \$186,891

Project Years: 2

Title: FY26 CIP Data

Sponsor: SC Court Administration/HHS

Total Projected: \$149,524

Project Years: 2

Title: FY26 CIP Training

Sponsor: SC Judicial Branch - SC Court Administration/HHS

Total Projected: \$159,500

Project Years: 2

McCausland College of Arts and Sciences

Chemistry & Biochemistry

Leung, Ka Ho

Title: Development and Application of Organelle Chemotype Fingerprinting for the Functional Investigation of Organellar Chloride

Sponsor: National Institute of General Medical Sciences (NIGMS)/NIH

Total Projected: \$718,520

Project Years: 1

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Geography

Goel, Varun

Title: Predicting the spread of antimalarial drug resistance using deep learning surrogates

Sponsor: UNC Chapel Hill/NIH

Total Projected: \$565,332

Project Years: 5

Physics & Astronomy

Lopez Rodriguez, Enrique

Title: Dust in shocks: The missing link in AGN feedback

Sponsor: Space Telescope Science Institute (STScI)/NASA

Total Projected: \$128,887

Project Years: 3

Psychology

Harrison, Sayward

Title: (PI - Sarah Miller - PhD Student in Psychology) - Development of an Intervention to Address Internalized Stigma among Emerging Adults with Opioid Use Disorder (OUD)

Sponsor: Collaborative Hub for Emerging Adult Recovery Research (CHEARR)/NIH

Total Projected: \$9,950

Project Years: 1

McCary, Lindsay

Title: Neurodivergent Student Initiative: Learning What Columbia's Campus of Neurodivergent Students Want and Need to Enhance Support on Campus.

Sponsor: Power:Ed

Total Projected: \$4,000

Project Years: 1

**Office of VP for Research
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Statistics

Hitchcock, David

Title: Student Project for Blue Cross Blue Shield of South Carolina

Sponsor: Blue Cross Blue Shield (BCBS) of SC/HHS

Total Projected: \$20,671

Project Years: 1

Molinaroli College of Engineering & Computing

Chemical Engineering

White, Ralph

Title: Advanced Sodium Technologies for Robust Aerospace Structures A.S.T.R.A.
(Student PI: Giulio Siciliano)

Sponsor: National Aeronautics & Space Administration (NASA)

Total Projected: \$58,550

Project Years: 1

Civil & Environmental Eng.

Rizos, Dimitris

Title: Mobile, Non-Contact System for RNT and Rail Stress Measurements

Sponsor: Insight Rail LLC/(SBIR)USDOT

Total Projected: \$46,263

Project Years: 1

Electrical Engineering

Nasiri, Adel

Title: Study and Develop a Path to 500kVA 13.8kV and 34.5kV Solid State Transformer

Sponsor: University of Arkansas/Research Center on GRid-connected Advanced Power Electronic Systems (GRAPES)

Total Projected: \$150,498

Project Years: 1

**Office of VP for Research
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Mechanical Engineering

Downey, Austin

Title: *Convergence in High-rate Structural Health Monitoring and Prognostics for Millisecond Decisions*

Sponsor: HII Mission Technologies Corporation/DOD

Total Projected: \$218,401

Project Years: 2

School of Medicine

Cardiovascular Translational Research Center

Dos Anjos Moraes, Raiana

Title: *Endothelial Mechanosignaling via Piezo1: Linking ATP, Adrenomedullin, and Acetylcholine to Vascular Tone and Hypertension*

Sponsor: American Heart Association (AHA)

Total Projected: \$159,160

Project Years: 2

Internal Medicine

Rahemtullah, Omme-Salma

Title: *Share Our Strength's No Kid Hungry Summer Meals Campaign*

Sponsor: Sharing our Strength

Total Projected: \$50,000

Project Years: 1

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MDC Ctr Disability Resources

Rotholz, David

Title: 2026 Assistive Technology Exp

Sponsor: SC Developmental Disabilities Council (SCDDC)/HHS

Total Projected: \$20,000

Project Years: 1

Title: South Carolina Assistive Technology Program

Sponsor: Administration for Community Living/HHS

Total Projected: \$200,936

Project Years: 2