

Office of Research
IT and Data Management Office

July, 2023 New Awards

Arnold School of Public Health

Communication Sci & Disorders

Adlof, Suzanne

Measuring Language Comprehension Development in the Primary Grades 675,088

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

PS PROJECT: 10013205

TOTAL_PROJECT_AMT. IF AVAILABLE: 3,217,918

PROJECT YEARS: 5

Epidemiology & Biostatistics

Cai, Bo

Innovative approach to assess the effect of metal mixtures from infant meconium associated with adverse infant outcome by identifying methylation loci in mothers and infants 11,062

Sponsor: City University of New York (CUNY)/EPA

PS PROJECT: 10013179

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Lohman, Matthew

Long Acting Injectable Antipsychotic Medication in the Patient Population of the South Carolina Department of Mental Health 9,629

Sponsor: SC Department of Mental Health (SCDMH) - Ensor Trust

PS PROJECT: 10012970

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Health Prom., Educ. & Behavior

Larson, Leila

(Fahmida Akter - PI) Consultancy for the Joint Interventions to Improve Birth Outcomes and Nutrition Research Project in Bangladesh 168

Sponsor: International Food Policy Research Institute (IFPRI)/Bill and Melinda Gates Foundation

PS PROJECT: 10012935

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

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College of Arts and Sciences

Archaeology & Anthropology

Fisher, John

2023 Watts Cemetery: Interior GPR Survey

3,765

Sponsor: Culture and Heritage Museums (York County, SC)

PS PROJECT: 10013203

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Baruch Institute

Smith, Erik

North Inlet - Winyah Bay National Estuarine Research Reserve FY23 Operations Award

991,213

Sponsor: National Ocean Service (NOS)/NOAA/DOC

PS PROJECT: 10013226

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Political Science

Heinrich, Tobias

Learning to Trust Refugees: Border Security and Attitude Extremity

3,500

Sponsor: The Institute for Humane Studies (IHS)

PS PROJECT: 10013158

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Psychology

Coffman, Donna

Characterizing Top-Down Dimensions of Appetite Self-Regulation Among Preschoolers

12,401

Sponsor: Temple University/NICHHD/NIH

PS PROJECT: 10013166

TOTAL_PROJECT_AMT. IF AVAILABLE: 24,802

PROJECT YEARS: 2

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Prinz, Ron

Behavioral-Biomedical Interface: Translational and Prevention Sciences Training 265,268

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

PS PROJECT: 10013173

TOTAL_PROJECT_AMT. IF AVAILABLE: 1,538,552

PROJECT YEARS: 5

School of Earth, Ocean & Env.

Bulusu, Subrahmanyam

Understanding the Generation and Dynamics of Internal Waves in the Bay of Bengal using NASA's SMAP Salinity and ECCO Estimates 35,000

Sponsor: College of Charleston (SC EPSCoR)/NASA

PS PROJECT: 10013195

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

College of Engineering & Comp.

Chemical Engineering

Lauterbach, Jochen

Fuel Flexible Gas Turbine Technology Integrated with Exhaust Gas Recirculation and Hydrogen Carrier Fuels 100,000

Sponsor: Office of Naval Research (ONR)/DOD

PS PROJECT: 10013139

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 4

Meekins, Benjamin

Nuvera Sample Measurement Study - Nuvera Fuel Cells -- May 2023 (4 samples) 3,400

Sponsor: Nuvera Fuel Cells, LLC

PS PROJECT: 10013228

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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Shimpalee, Sirivatch

Development of a Biosensor for Monitoring of Iodine in Environmental Media in F-Area, Savannah River Site

80,000

Sponsor: University of Nevada Las Vegas(UNLV)/SRNL/DOE

PS PROJECT: 10013187

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Computer Science & Engineering

Hu, Jianjun

Collaborative Research: Elements: Phonon Database Generation, Analysis, and Visualization for Data Driven Materials Discovery

130,000

Sponsor: National Science Foundation (NSF)

PS PROJECT: 10013216

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

Narayanan, Vignesh

Collaborative Autonomy in Uncertain Environments: Exploring Vistas Beyond Consensus

78,238

Sponsor: University of Alabama - Huntsville/NSWC/ONR/DOD

PS PROJECT: 10013202

TOTAL_PROJECT_AMT. IF AVAILABLE: 218,914

PROJECT YEARS: 3

Electrical Engineering

Wang, Guoan

DURIP: ENACT- Enabling Next Adaptive Communication Technologies

461,825

Sponsor: Office of Naval Research (ONR)/DOD

PS PROJECT: 10013229

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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July, 2023 New Awards

Mechanical Engineering

Banerjee, Sourav

Develop a Smart Vision and AI-driven Peach Thinning Software (A-EYE) 20,000

Sponsor: Advent Innovations Limited Company/USDA

PS PROJECT: 10013221

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Hu, Ming

Collaborative Research: Elements: Phonon Database Generation, Analysis, and Visualization for Data Driven Materials Discovery 270,000

Sponsor: National Science Foundation (NSF)

PS PROJECT: 10013217

TOTAL_PROJECT_AMT. IF AVAILABLE: 400,000

PROJECT YEARS: 3

Huang, Xinyu

Advanced Characterization of Accident Tolerant Silicon Carbide Cladding 165,532

Sponsor: General Atomics/DOE

PS PROJECT: 10013132

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Won, Sang Hee

Fuel Flexible Gas Turbine Technology Integrated with Exhaust Gas Recirculation and Hydrogen Carrier Fuels 453,201

Sponsor: Office of Naval Research (ONR)/DOD

PS PROJECT: 10013138

TOTAL_PROJECT_AMT. IF AVAILABLE: 2,000,000

PROJECT YEARS: 4

Yuan, Lang

(PI: Jan Garey Weaver) - 3D Printing of Tungsten via Laser Powder Bed Fusion Additive Manufacturing 7,500

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

PS PROJECT: 10013141

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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College of Nursing

Nursing

Raynor, Phyllis

Leveraging Data to Promote Health Equity: Assessing maternal health outcomes during the 4th trimester for women with substance use disorders receiving perinatal care at the Magdalene Clinic 20,000

Sponsor: Prisma Health - Upstate

PS PROJECT: 10013164

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

College of Pharmacy

Drug Discovery & Biomed Sci.

McInnes, Campbell

Developing novel LOX inhibitors to target chemotherapy resistant TNBC 81,902

Sponsor: Loxigen, Inc./NCI/NIH

PS PROJECT: 10013178

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Pharm - Clin Pharm & Outcomes Sciences

Weant, Kyle

Intelligent Nursing Dispensing Education in the Emergency Department (IN DEED) 15,000

Sponsor: SC Research Authority (SCRA)

PS PROJECT: 10013137

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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College of Social Work

**Child and Family Studies, Center for
Sullivan, Rebecca**

First 5 SC Website Training Proposal

49,280

Sponsor: SC First Steps

PS PROJECT: 10013135

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

CMMC Navy Yard Industrial Campus: Economic Impact Analysis

82,550

Sponsor: CMMC Navy Yard Industrial Campus

PS PROJECT: 10013167

TOTAL_PROJECT_AMT. IF AVAILABLE: 82,550

PROJECT YEARS: 1

ACEC-SC: Infrastructure Investments in SC

10,000

Sponsor: American Council of Engineering Companies of South Carolina (ACEC-SC)

PS PROJECT: 10013220

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Economic Engagement

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Hardaway, Chad

USC Upstate Innovation Experience Hub for Manufacturing

50,000

Sponsor: SC Research Authority (SCRA)

PS PROJECT: 10013140

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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School of Medicine

MDC CLINICAL AFFAIRS

Weis, Megan

Scope and Impact of the Unknowingly Insured Patient Population of SC Free Clinics 38,161

Sponsor: SC Free Clinic Association/SC BCBS Foundation

PS PROJECT: 10013144

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

MDC Ctr Disability Resources

Rotholz, David

SC Developmental Disability Council Professional Services 26,799

Sponsor: SC Developmental Disability Council/ACL/HHS

PS PROJECT: 10013156

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Path, Microbio. & Immunology

Murphy, Elizabeth (Angela)

(PI: Thomas Cardaci) Impact of Obesity on Chemotherapy-Induced Muscle Mitochondrial Dysfunction 37,073

Sponsor: National Cancer Institute (NCI)/NIH

PS PROJECT: 10013142

TOTAL_PROJECT_AMT. IF AVAILABLE: 111,219

PROJECT YEARS: 3

Pharm., Physiology & Neuroscience

Reagan, Lawrence

VA personal service contract for rodent analysis 74,485

Sponsor: US Department of Veterans Affairs (VA)

PS PROJECT: 10013201

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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School of Medicine (Grvl)

Medicine Greenville

Roudebush, William

Evaluation of a Novel Sperm Fertility Cycle Marker in IVF Patients undergoing Intra-Cytoplasmic Sperm Injection 20,000

Sponsor: Prisma Health - Upstate

PS PROJECT: 10013157

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

University of SC Aiken

AK Ruth Patrick Sci Ed

Senn, Gary

Science & Technology Enrichment Program (STEP) SRNS 60,417

Sponsor: Savannah River Nuclear Solutions/DOE

PS PROJECT: 10013143

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

University of SC Beaufort

BFT Humanities

Villena-Alvarez, Juanita

USCB South Korean and Asian Literacy Education (SKALE) 125,474

Sponsor: US Department of Education (USDE)

PS PROJECT: 10013218

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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University of SC Upstate

UPS Lang, Literature & Comp.

Godfrey, Esther

One Foot in Eden: Preface 2023

2,500

Sponsor: SC Humanities/NEH

PS PROJECT: 10013227

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Report Total:

\$4,470,431