

Office of Research
IT and Data Management Office

April, 2019 New Awards

Arnold School of Public Health

Community Health Worker Inst

Smithwick, Julie

Addressing Community Health Gaps Through the Community Health Worker Institute 150,000

Sponsor: The Fullerton Foundation

Co-PI:

PS PROJECT: 10009108

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

Epidemiology & Biostatistics

Liu, Jihong

Healthy Start Initiative: Eliminating Disparities in Perinatal Health 5,030

Sponsor: Prisma Health - Midlands/HRSA

Co-PI:

PS PROJECT: 10009090

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 5

Nolan, Melissa

Evaluating the Clinical and Molecular Epidemiology of Klebsiella spp. Infections in the Upstate Region of South Carolina 20,000

Sponsor: Greenville Health System

Co-PI:

PS PROJECT: 10009118

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Exercise Science

Smuder, Ashley

Doxorubicin-Induced Respiratory Dysfunction and the Protective Effects of Exercise 360,670

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

Co-PI:

PS PROJECT: 10009149

AWARD_PROJECT_AMT. IF AVAILABLE: 1,803,350

PROJECT YEARS: 5

**Office of Research
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April, 2019 New Awards

Health Prom., Educ. & Behavior

Qiao, Shan

Intersecting Stigma Against MSM in Clinical Settings in Zambia

192,131

Sponsor: Fogerty International Center/NIH

Co-PI:

PS PROJECT: 10009124

AWARD_PROJECT_AMT. IF AVAILABLE: 360,717

PROJECT YEARS: 2

Health Services Policy & Mgmt

Cozad, Melanie

Evaluating the Effectiveness of a Mobile Application to Assist Patients in Communicating with their Rheumatologist and Managing their Rheumatoid Arthritis.

14,796

Sponsor: Greenville Health System

Co-PI:

PS PROJECT: 10009088

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Crouch, Elizabeth

CDC Foundation Medicaid Analysis 2019

75,000

Sponsor: National Foundation for the Centers for Disease and Control and Prevention, Inc. (CDC Foundation)/CDC

Co-PI:

PS PROJECT: 10009140

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Public Health - Dean's Office

Martin, Maria

SC First Steps - Preschool Development Grant PASOs Contract

97,407

Sponsor: SC First Steps to School Readiness/DSS/HHS

Co-PI:

PS PROJECT: 10009137

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Office of Research
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April, 2019 New Awards

College of Arts and Sciences

Psychology

Roberts, Jane

Development of an Autism Spectrum Disorder Screening Test Based upon Metabolic Profiling of Fresh Blood Samples 32,144

Sponsor: Circa Bioscience, LLC/NIMH/NIH

Co-PI:

PS PROJECT: 10009129

AWARD_PROJECT_AMT. IF AVAILABLE: 79,569

PROJECT YEARS: 2

School of Earth, Ocean & Env.

Davis, Catherine

Deciphering Glacial-Interglacial Changes in Oxygen Minimum Zones Using Deep-Dwelling, Low-Oxygen Planktic Foraminifera 201,064

Sponsor: National Science Foundation (NSF)

Co-PI:

PS PROJECT: 10009136

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

Scher, Howard

Collaborative Research: Shark FEST - Fusing Eocene Shark Tracers: Paleoecology, Ocean Circulation, and Antarctic Glaciation with Geochemistry and Climate Modeling 177,168

Sponsor: National Science Foundation (NSF)

Co-PI:

PS PROJECT: 10009114

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

Sociology

Simpson, Brent

How Inequality and Segregation Shape (and are Shaped by) Cooperation and Collective Action 90,984

Sponsor: Army Research Office (ARO)/DOD

Co-PI:

PS PROJECT: 10009119

AWARD_PROJECT_AMT. IF AVAILABLE: 326,137

PROJECT YEARS: 3

Office of Research
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April, 2019 New Awards

College of Education

Instruction & Teacher Educ.

Baum, Angela

Home C2OOKING: Creative Culinary Opportunities Offering Kids Inquiry-Based Nutritional Genius 14,473

Sponsor: Northern Illinois University/NIGMS/NIH

Co-PI:

PS PROJECT: 10009092

AWARD_PROJECT_AMT. IF AVAILABLE: 77,050

PROJECT YEARS: 4

College of Engineering & Comp.

Chemical Engineering

Diao, Weijian

Catalysts Development for Water Splitting Reactions using Solid Oxide Electrolysis Cells (SOECs) 17,999

Sponsor: Battelle Energy Alliance, LLC/INL/LDRD/DOE

Co-PI:

PS PROJECT: 10009106

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Mustain, William

Reshaping the Deployment of Al Anodes in Primary Batteries 100,000

Sponsor: Duracell

Co-PI:

PS PROJECT: 10009093

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Civil & Environmental Eng.

Chen, Yuche

High-dimensional Data-driven Energy Optimization for Multi-Modal Transit Agencies (HD-EMMA) 49,202

Sponsor: Vanderbilt University/DOE

Co-PI:

PS PROJECT: 10009115

AWARD_PROJECT_AMT. IF AVAILABLE: 400,000

PROJECT YEARS: 1

Office of Research
IT and Data Management Office

April, 2019 New Awards

Sasanakul, Inthuorn

Cyclic Strength and Liquefaction Evaluation of Mine Tailings Dam

60,350

Sponsor: Golder Associates Ltd.

Co-PI:

PS PROJECT: 10009100

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Computer Science & Engineering

Luo, Lannan

CRIL: SaTC: A Malware-Inspired Approach to Mobile Application Repackaging and Tampering Detection

174,879

Sponsor: National Science Foundation (NSF)

Co-PI:

PS PROJECT: 10009121

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Mechanical Engineering

van Tooren, Michael

Induction Welding Production Trials

22,202

Sponsor: General Motors

Co-PI:

PS PROJECT: 10009107

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Wang, Yi

Washer Modeling Project

153,096

Sponsor: South Carolina Department of Commerce

Co-PI:

PS PROJECT: 10009132

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Won, Sang Hee

Developing Detailed Chemical Kinetics Mechanism for Supercritical CO2 Combustion

25,000

Sponsor: Reaction Engineering International (REI)/DOE

Co-PI:

PS PROJECT: 10009130

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Office of Research
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April, 2019 New Awards

Yu, Lingyu

Weld Induction Project

64,069

Sponsor: South Carolina Department of Commerce

Co-PI:

PS PROJECT: 10009131

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

College of Social Work

Families in Society, Institute

Shapiro, Cheri

Engaging and Training with Compassion

183,028

Sponsor: SC Department of Mental Health/BCBS Foundation of SC

Co-PI:

PS PROJECT: 10009112

AWARD_PROJECT_AMT. IF AVAILABLE: 679,076

PROJECT YEARS: 3

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

SSC Atlantic (SPAWAR): Economic Impact Analysis

142,550

Sponsor: US Navy NIWC Atlantic Charleston/DOD

Co-PI:

PS PROJECT: 10009091

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

S.C. Department of Commerce - Military Health Care Benefits and Defense Spending in S.C.

6,000

Sponsor: SC Department of Commerce

Co-PI:

PS PROJECT: 10009125

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Office of Research
IT and Data Management Office

April, 2019 New Awards

Division of Student Affairs

Office of the Dean of Students

Hourigan, Aimee

Gamecock Recovery

15,390

Sponsor: SC Department of Alcohol and Other Drug Abuse Services (SC DAODAS)

Co-PI:

PS PROJECT: 10009122

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

School of Medicine

Basic Science Research

Turley, Christine

ECHO - Salary Support for ISPCTN Leadership Committee

47,026

Sponsor: University of Arkansas for Medical Sciences/NIH

Co-PI:

PS PROJECT: 10009089

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Cell Biology & Anatomy

Spinale, Francis

IPA - Amber Moore

19,148

Sponsor: WJB Dorn VA Medical Center/VA

Co-PI:

PS PROJECT: 10009126

AWARD_PROJECT_AMT. IF AVAILABLE: 38,296

PROJECT YEARS: 2

IPA - Angela Hitch

20,689

Sponsor: WJB Dorn VA Medical Center/VA

Co-PI:

PS PROJECT: 10009127

AWARD_PROJECT_AMT. IF AVAILABLE: 41,379

PROJECT YEARS: 2

Office of Research
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April, 2019 New Awards

Pharm., Physiology & Neurology

Reagan, Lawrence

IPA for Frances Loyo-Rosado

41,100

Sponsor: WJB Dorn VA Medical Center/VA

Co-PI:

PS PROJECT: 10009128

AWARD_PROJECT_AMT. IF AVAILABLE: 82,200

PROJECT YEARS: 2

Walsh, Kenneth

Effect of Plant Cannabinoids on CB1 and 5-HT1a Receptor Signaling

42,315

Sponsor: Trait Biosciences Inc.

Co-PI:

PS PROJECT: 10009134

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Surgery

Clair, Daniel

*The Randomized And Controlled Noninferiority Trial to Evaluate Safety and Clinical Efficacy of the SurVeil™ Drug-Coated Balloon iN the Treatment of Subjects with Stenotic Lesions of the Femoropopliteal Artery Compared to the Medtronic IN.PACT® Admiral® Drug-Coated Balloon TRANSCEND Study*CLINICAL PROTOCOL SUR17-001

8,985

Sponsor: Surmodics Inc.

Co-PI:

PS PROJECT: 10009120

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT YEARS: 7

University Libraries

Univ Libraries - Dean's Office

Britton, Jeanne

The Digital Piranesi

339,684

Sponsor: National Endowment for the Humanities (NEH)

Co-PI:

PS PROJECT: 10009141

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**Office of Research
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April, 2019 New Awards

University of SC Beaufort

BFT Scholarships

Morris, Brent

USCB Reconstruction Institute

17,500

Sponsor: Richard H. and Sharon S. Stewart

Co-PI:

PS PROJECT: 10009102

AWARD_PROJECT_AMT. IF AVAILABLE: 35,000

PROJECT YEARS: 2

Ritchie, Kimberly

USCB Marine Science Research

30,000

Sponsor: Port Royal Sound Foundation

Co-PI:

PS PROJECT: 10009103

AWARD_PROJECT_AMT. IF AVAILABLE: 60,000

PROJECT YEARS: 2

University of SC Upstate

UPS Spons Awards Research Supp

Parker, Jennifer

Engaging and Training with Compassion

39,640

Sponsor: SC Department of Mental Health/BCBS Foundation of SC

Co-PI:

PS PROJECT: 10009113

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

Report Total: \$3,050,719