

Office of Research
IT and Data Management Office

May, 2017 New Awards

Arts and Sciences, College of

Anthropology

DeWitte, Sharon

SBE-RCUK: Diet, Migration, and Health in the Context of Medieval Mortality Crises - (13590-FA11) 51,061

Sponsor: The National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 162,460
PROJECT_YEARS: 3

Luchok, Kathryn

Sticky Messages that Promote Connection, Communication, and Contraception for Vulnerable Youth - (13590-KA29) 25,000

Sponsor: The Lalor Foundation, Inc

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Biological Sciences

Knotts, Eilea

Response of Coastal Phytoplankton Communities to Reduced Carbonic Anhydrase Activity: An Assessment of Assemblage and Size - (21600-KA90) 1,200

Sponsor: Slocum-Lunz Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Chemistry & Biochemistry

Benicewicz, Brian

Synergistic Membranes & Reactants for a Transformational Flow-Battery System - (13020-FC95) 440,704

Sponsor: United Technologies Corporation/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 2

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Shimizu, Ken

Comprehensive Models of Non-Covalent Aromatic Interactions - (13020-FC94) 153,013

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 460,504

PROJECT_YEARS: 3

Shustova, Natalia

The Sloan Research Award - (13020-KB06) 60,000

Sponsor: Alfred P. Sloan Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 2

Stefik, Morgan

NSF-EPRI: Innovative and Ultra-efficient Evaporators to Realize Cost-effective Desalination - (13020-KB07) 28,616

Sponsor: Electric Power Research Institute (EPRI)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 3

Tang, Chuanbing

2017 ACS Project Seed at USC - (13020-KB08) 6,000

Sponsor: American Chemical Society

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Earth and Ocean Sciences

Bulusu, Subrahmanyam

Response of the Bay of Bengal to the Atmospheric Intraseasonal Oscillations - (21610-FA07) 104,000

Sponsor: Office of Naval Research (ONR)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 575,000

PROJECT_YEARS: 5

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History

Donaldson, Bobby

South Carolina Civil Rights Teacher Institute - (12100-FJ00) 35,000

Sponsor: National Park Service (NPS)/DOI

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 2

Languages, Literatures, and Cultures

Van Fleit Hang, Krista

*National Consortium for Teaching about Asia at the University of South Carolina - (12610-
KL01)* 17,366

Sponsor: The Freeman Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Physics & Astronomy

Gothe, Ralf

JSA/Jefferson Lab Graduate Fellowship Award 2017/2018 - (13070-FB62) 12,000

Sponsor: Jefferson Science Associates, LLC (JSA/DOE)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Kulkarni, Varsha

*The Chemical Evolution of Galaxies and the Relevant Atomic Physics (Frances
Cashman) - (13070-FB59)* 12,000

Sponsor: NASA/SC Space Grant

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

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Rodney, Steven	
<i>Transforming Introductory Astronomy at USC - (13070-FB60)</i>	4,000
Sponsor: College of Charleston/NASA	
Co-PI:	
AWARD_PROJECT_AMT. IF AVAILABLE:	0
PROJECT_YEARS:	1
<i>Optimizing the WFIRST Type Supernova Survey - (13070-FB61)</i>	27,776
Sponsor: The Regents of the University of California, Santa Cruz /NASA	
Co-PI:	
AWARD_PROJECT_AMT. IF AVAILABLE:	0
PROJECT_YEARS:	5
Psychology	
Kloos, Bret	
<i>Youth Homelessness Evaluation - MIRCI, Inc. - (13580-FL24)</i>	145,600
Sponsor: Mental Illness Recovery Center, Inc./SAMHSA/HHS	
Co-PI:	
AWARD_PROJECT_AMT. IF AVAILABLE:	0
PROJECT_YEARS:	3
Public Service & Policy Research, Institute for	
Lyle, Monique	
<i>2017 Statewide Child Care Market Rate Survey - (21100-GL29)</i>	37,537
Sponsor: SC Department of Social Services	
Co-PI:	
AWARD_PROJECT_AMT. IF AVAILABLE:	0
PROJECT_YEARS:	1
School of Earth, Ocean & Environment	
Ferster, Brady	
<i>Investigating the Role of the Southern Ocean on Global Climate Change using Satellite Observations and Model Simulations. - (21610-FA08)</i>	12,000
Sponsor: College of Charleston/NASA	
Co-PI:	
AWARD_PROJECT_AMT. IF AVAILABLE:	0
PROJECT_YEARS:	1

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Heidenreich, Kristin

Use of a Radiolabeled Carbon Isotope to Determine the Growth Rates of Cryptophyte Algae - (21600-KA89) 600

Sponsor: Slocum-Lunz Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Business, Moore School of

Business, Moore School of - Division of Research

Von Nessen, Joseph

Patriots Point Mixed-Use Development Project - (21200-GA43) 37,500

Sponsor: Patriots Point Development Authority

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Education, College of

Physical Education

Brian, Ali

Developmental Mechanisms Supporting Physical Activity for Children with Visual Impairments - (15210-KA17) 4,700

Sponsor: Society of Health and Physical Educations (SHAPE America)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Engineering & Computing, College of

Chemical Engineering

Ritter, James

Characterization of Carbon Adsorbent Materials - (15510-JB26) 100,000

Sponsor: Apache Corporation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

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Computer Science & Engineering

Tong, Yan

NSF-EPRI: Innovative and Ultra-efficient Evaporators to Realize Cost-effective Desalination - (15590-KA30) 29,109

Sponsor: Electric Power Research Institute (EPRI)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 3

Mechanical Engineering

Li, Chen

NSF-EPRI: Innovative and Ultra-efficient Evaporators to Realize Cost-effective Desalination - (15540-KA35) 109,923

Sponsor: Electric Power Research Institute (EPRI)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 3

Scopatz, Anthony

SymPy 1.1 Release Support - (15540-KL00) 3,000

Sponsor: NumFOCUS, Inc.

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Medicine, School of

Genetics

Edwards, Janice

Palmetto Health Cancer Centers Cancer Genetic Counseling Program - (18210-KL03) 37,500

Sponsor: Palmetto Health Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

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Nursing, College of

Nursing

Pinto, Bernardine

Promoting Physical Activity in Young Adult Cancer Survivors using mHealth and Adaptive Tailored Feedback Strategies - (11200-FA28) 18,702

Sponsor: UNC Chapel Hill/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 4

Pharmacy, SC College of

Drug Discovery and Biomedical Sciences

Fang, Jing

Targeting the p62 Signalingosome in Leukemia. - (11110-FA92) 30,000

Sponsor: National Institutes of Health (NIH)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,675,595
PROJECT_YEARS: 1

Public Health, Arnold School of

Communication Sciences & Disorders

Apel, Kenn

Morphological Awareness Test for Reading and Spelling (MATRS) - (11560-FA38) 396,364

Sponsor: US Department of Education (USDE)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,385,473
PROJECT_YEARS: 3

Environmental Health Sciences

Xiao, Shuo

Ex Vivo Female Reproductive Tract Integration In a 3D Microphysiologic System - (11510-FB84) 50,000

Sponsor: Northwestern University/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

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Health Promotion, Education & Behavior

Macauda, Mark

Abstinence Education Grant Program Evaluation 2017-18 - (11580-FL29) 58,027

Sponsor: Department of Health & Environmental Control/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Public Health, Arnold School of - Dean

Smithwick, Julie

Latina Interconception Health Program - (11500-KL54) 25,000

Sponsor: SC March of Dimes

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

USC Aiken

USC Aiken

McMurtrie, Deborah

National Writing Project 2017-2018 SEED Invitational Leadership Institute Grant - (17110-FL54) 15,000

Sponsor: National Writing Project (NWP)/USDE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Shervette, Virginia

Identifying & Defining Management Areas for Queen Triggerfish and Mutton Snapper Spawning Aggregation sites in the US Virgin Islands and Assessing Effectiveness of Area Closures - (17110-FA65) 6,500

Sponsor: University of the Virgin Islands/NOAA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

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USC Upstate

USC Upstate

Hightower, Mary

AP Institute - Studio Art 2017 - (17880-GJ14)

16,425

Sponsor: SC Department of Education

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Report Total: \$2,111,223