

Office of Research
IT and Data Management Office

July, 2017 New Awards

Arts and Sciences, College of

Archaeology & Anthropology, SC Institute of

King, Adam

Catawba Wateree Relicensing-Mulberry Site (38KE12) Project - (21300-JA02) 454,800

Sponsor: Duke Energy Carolinas, LLC (Duke Energy)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 6

Art

Chametzky, Peter

South Carolina Arts Commission Fellows Exhibition - (12510-GL03) 2,000

Sponsor: SC Arts Commission

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Baruch Institute

Allen, Wendy

North Inlet - Winyah Bay National Estuarine Research Reserve NA17NOS4200061 - (21600-FC68) 633,000

Sponsor: National Oceanic & Atmospheric Administration (NOAA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Biological Sciences

Richardson, Tammi

MPN Assays for Marine Phytoplankton Viability - (21600-JA02) 35,731

Sponsor: Trojan Technologies Group ULC

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

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Chemistry & Biochemistry

Adams, Richard

I/UCRC: Catalytic Upgrading of Hydrocarbons by Selective Oxidation using CuFe and CuRu Bimetallic Catalysts - (13020-JA35) 36,000

Sponsor: CeRCaS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Chen, Donna

I/UCRC: Fundamental Studies of Pd/Graphene for Cross Coupling and C-H activation - (13020-JA34) 27,000

Sponsor: CeRCaS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Ferry, John

SusChem: In-situ polymerization to immobilize contaminants in groundwater. - (13020-FC98) 153,973

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 3

Richardson, Susan

SusChEM: GOALI: Drinking Water Safety and Sustainability: Identifying Key Chemical Drivers of Toxicity for Long-Term Solutions in the United States - (13020-FC96) 190,000

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 3

Earth and Ocean Sciences

Bulusu, Subrahmanyam

Estimation of Volume and Freshwater Flux from the Arctic Ocean using NASA's SMAP mission - (21610-FA10) 10,000

Sponsor: College of Charleston/NASA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

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History

Coenen Snyder, Saskia

NIAS (Netherlands Institute for Advanced Study in the Humanities and the Social Sciences) Fellowship - (13550-LA08) 21,052

Sponsor: Netherlands Institute for Advanced Study in the Humanities and Social Sciences

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Grace, Joshua

The African Car: Technology, Mobility, and Development in Tanzania, 1870s to 2015 - (13550-KA43) 40,000

Sponsor: American Council of Learned Societies (ACLS)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Physics & Astronomy

Avignone, Frank

The Development of Axion Software for CUORE - (13070-FB64) 41,191

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Psychology

January, Stacy-Ann

A Comparison of Two Reading Interventions and Initial Evaluation of a Caregiver-Delivered Reading Intervention with ELL Students - (13580-FB54) 9,978

Sponsor: University of Wisconsin-Madison/USDE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

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Sociology

Pfeffer, Carla

Pregnant Men: An International Exploration of Trans Male Practices of Reproduction - (13530-LA00) 63,473

Sponsor: Economic and Social Research Council (ESRC), UK

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 3

Engineering & Computing, College of

Chemical Engineering

Monnier, John

I/UCRC: In situ XRD to Study the Effects of Temperature and Gas Phase on the Stability of Monometallic Catalysts and Structure/Stability of Bimetallic Catalysts - (15510-JB27) 27,000

Sponsor: CeRCaS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

I/UCRC: Continuous Production of Supported Monometallic and Bimetallic Catalysts for Methanol Formation - (15510-JB28) 20,000

Sponsor: CeRCaS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Civil & Environmental Engineering

Huynh, Nathan

Evaluation of Jamar Black Cat Radar Recorders - (15520-GL00) 750

Sponsor: SC Department of Transportation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 30,000
PROJECT_YEARS: 1

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SAMADI, SEYEDEHZAHERA

Assessing Uncertainty in Input Variables of the STREAM2V3 Code - (15520-FB44) 6,040

Sponsor: Savannah River National Lab/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Ziehl, Paul

Stress Wave Propagation Simulation for Stress Corrosion Cracking Applied to Austenitic Stainless Steel Dry Cask Storage Systems - (15520-JA24) 110,000

Sponsor: EPRI (Electric Power Research Institute)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 2

Computer Science & Engineering

Hu, Jianjun

Big Data Analytics of HIV Treatment Gaps in South Carolina: Identification and Prediction - (15590-FB32) 28,641

Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 5

Electrical Engineering

Zhang, Bin

Distributed Condition Prognostics System for Navy Shipboard Machinery - (15530-FB77) 30,000

Sponsor: Navy Surface Warfare Center/DOD

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 449,995

PROJECT_YEARS: 1

Mechanical Engineering

BADEA, MADALINA

Predictive Modeling, Inverse Problems and Uncertainty Quantification with Application to Emergency Response - (15540-FD50) 210,035

Sponsor: Los Alamos National Security, LLC/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 3

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Harik, Ramy

Curved 3D Panel Design Optimization and integration with ABAQUS - Task Order 5 - (15540-JA92) 78,000

Sponsor: Fokker AEROSTRUCTURES B.V.

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Huang, Xinyu

Characterization and Modeling of Accident Tolerant SiC Cladding - (15540-FD49) 116,001

Sponsor: General Atomics/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 2

Sockalingam, Subramani

Non-conventional Lightweight Composite Materials and Structures for Aerospace and Space Applications - (15540-FD48) 24,890

Sponsor: College of Charleston/NASA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Hospitality, Retail & Sport Management, College of

Hotel, Restaurant & Tourism Management

Harrill, Richard

Attracting "Hot" Asian Tourist Markets to the Real Southern Hotspot - (14050-HA02) 25,000

Sponsor: Experience Columbia SC

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

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Information and Communications, College of

Journalism & Mass Communications, School of

Covington, Randy

IREX - 2 US Study Tours - (15710-FJ05)

55,442

Sponsor: IREX /US Department of State

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Medicine, School of

Neuropsychiatry

Jones, Ashley

Evaluating the Clinical Utility of a Psychiatry Pharmacogenomic Panel in the Selection of Antidepressant Treatment in Patients with Anxiety and Depressive Disorders - (18120-JA21)

35,929

Sponsor: Alpha Genomix Laboratories Inc.

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

Lachance, Kerry

USC-SCDMH Cooperative Agreement for Provision of LPC Contract Courses - (18120-GJ10)

15,600

Sponsor: SC Department of Mental Health (SCDMH)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0

PROJECT_YEARS: 1

USC and SCVRD Cooperative Agreement for CSPD Contract Courses - (18120-GJ11)

31,200

Sponsor: South Carolina Vocational Rehabilitation Department (SCVRD)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 93,600

PROJECT_YEARS: 3

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Srinivasan, Shilpa

Community Telepsychiatry Services at SCDMH: Analysis of Population Served and Healthcare Outcomes - (18120-GA01) 15,000

Sponsor: State of South Carolina Department of Mental Health (SCDMH)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Pediatrics

Rotholz, David

South Carolina University Center for Excellence in Developmental Disabilities - (18140-FM60) 547,000

Sponsor: Administration on Community Living/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 5

Medicine, School of (Greenville Campus)

Medicine, School of - (Greenville Campus)

Casanova, Manuel

Defining Interneuron Deficits in Down Syndrome Brain - (16000-FA18) 4,198

Sponsor: University of Wisconsin-Madison/NICHHD/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 2

Public Health, Arnold School of

Communication Sciences & Disorders

Behroozmand, Roozbeh

Sensorimotor Processing of Auditory Feedback in Aphasia - (11560-FA39) 138,670

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

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 693,350
PROJECT_YEARS: 5

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Health Services Policy and Management

Olatosi, Bankole

Big Data Analytics of HIV Treatment Gaps in South Carolina: Identification and Prediction - (11550-FA73)

41,783

Sponsor: National Institute of Allergy & Infectious Diseases (NIAID)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 5

Social Work, College of

Social Work, College of

Wooten, Nikki

Longitudinal Study of Post-Deployment Pain Management Using DoD and VA Data - (15900-FA68)

15,418

Sponsor: Brandeis University/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

Student Affairs, Division of

Student Health

Knight, Jacqueline

2017 SC Adolescent Reproductive Health Leadership Institute - (71000-KL13)

10,000

Sponsor: SC Campaign to Prevent Teen Pregnancy/Duke Endowment

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

University Libraries

University Libraries

Litwer, Laura

Reprocessing and Digitizing the William D. Workman, Jr. Papers Photographs - (30000-FL19)

17,658

Sponsor: National Historical Publications & Records Commission (NHPRC)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

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USC Salkehatchie

USC Salkehatchie

Kilpatrick, Eran

Digitization TCN: Collaborative Research: The Key to the Cabinets: Building and Sustaining a Research Database for a Global Biodiversity Hotspot - (17660-FA03) 3,274

Sponsor: Clemson University/NSF

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 0
PROJECT_YEARS: 1

USC Sumter

USC Sumter

Rosdail, Lisa

Upward Bound University of South Carolina Sumter Campus - (17440-FJ00) 257,500

Sponsor: US Department of Education (USDE)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,287,500
PROJECT_YEARS: 5

Report Total: \$3,583,227