

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

March, 2015 New Awards

Arts and Sciences, College of

Archaeology & Anthropology, SC Institute of

Smith, Karen

Geophysical and Preliminary Marker Survey in the Williams-Baptist-North View Cemetery in Florence, South Carolina - (21300-HL01) 7,308

Sponsor: City of Florence

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Archaeological Testing At Cannon's Point (9GN21), ST. Simons Island, Georgia - (21300-KA08) 8,690

Sponsor: Cannon's Point Preserve

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Art

Floyd, Minuette

This Far by Faith: Carolina Camp Meetings, An African-American Tradition - (12510-FA07) 20,000

Sponsor: National Endowment for the Arts (NEA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Baruch Institute

Morris, James

Upscaling Coastal Carbon Monitoring from Points to Polygons: Using Satellite Data to Improve "Blue Carbon" Monitoring and Verification in Wetland Sediments under REDD+ - (21600-FC46) 36,629

Sponsor: U.S. Geological Survey (USGS)/DOI

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 124,539
PROJECT_YEARS: 3

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March, 2015 New Awards

Biological Sciences

Twiss, Jeff

HDAC6 is a Target for Neuroprotection (R01-NS071056- 04) - (13010-FC41) 98,954

Sponsor: Winifred Masterson Burke Medical Research Institute, Inc./NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Earth and Ocean Sciences

Lakshmi, Venkataraman

Improving Satellite Soil Moisture Spatial Resolution - (13040-FC31) 48,534

Sponsor: US Department of Agriculture (USDA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

Scher, Howard

Collaborative Research: US GEOTRACES Arctic section; Nd and REE cycling in the Arctic Ocean - (13040-FC30) 8,302

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 166,908

PROJECT_YEARS: 3

Geography

Mitchell, Jerry

Geospatial Technology for Geography, Mathematics, and Science - (13540-FJ04) 103,384

Sponsor: SC Commission on Higher Education/USDE

Co-PI: Roy, George Virtue, David Battersby, Sarah Collins, Larianne

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Mathematics

Filaseta, Michael

Polynomial Research in Number Theory - (21400-FA30) 14,105

Sponsor: National Security Agency (NSA)/DOD

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

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Lu, Linyuan

Twenty-Eighth Cumberland Conference on Combinatorics, Graph Theory, and Computing - (21400-FJ00) 15,000

Sponsor: National Science Foundation (NSF)

Co-PI: Czabarka, Eva

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Psychology

Davis, Betsy

Partnering to Train Mental Health Providers in Disability Competence - (13580-KJ00) 1,000

Sponsor: American Psychological Association of Graduate Students

Co-PI: Burnette, Mary

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Public Service & Policy Research, Institute for

Oldendick, Robert

Work Support Strategies - Illinois - (21100-KA09) 94,674

Sponsor: The Urban Institute/Ford Foundation

Co-PI: Lyle, Monique

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Sociology

Hartnett, Caroline

Sexual Orientation and the Risk for Unintended Pregnancy Among U.S. Women of Reproductive Age - (13530-FA27) 100,000

Sponsor: Health Resources & Services Administration (HRSA)

Co-PI: Walsemann, Katrina

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

**Office of Research
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March, 2015 New Awards

Business, Moore School of

Business, Moore School of - Dean's Office

Niehaus, Greg

Hurricane Catastrophe Model Feasibility Study - (15000-GA00) 20,000

Sponsor: SC Department of Insurance

Co-PI: Jones, Colin

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Education, College of

Instruction & Teacher Education

Lotter, Christine

Life Science Connections - (15250-FL56) 123,099

Sponsor: SC Commission on Higher Education/USDE

Co-PI: Carnes, G. Nathan

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Thompson, Stephen

Nature-Based Inquiry Utilizing a STEAM Approach (NBI) - (13090-FJ13) 121,606

Sponsor: SC Commission on Higher Education/USDE

Co-PI: Ely, Berten Miller, Bridget

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Office of Program Evaluation

Dickenson, Tammiee

Evaluation of the Carolina Consortium for Enterprise Learning Project - (15290-FA17) 585,184

Sponsor: Richland School District Two/USDE

Co-PI: Lewis, Ashlee

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 3

**Office of Research
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March, 2015 New Awards

Engineering & Computing, College of

Chemical Engineering

Hattrick-Simpers, Jason

Discovery of Novel High Entropy Alloy for Advanced Ultrasuper Critical Steam Turbine - (15510-LA03) 49,999

Sponsor: The Board of Trustees of Southern Illinois University/ICCI

Co-PI: Lauterbach, Jochen

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Ritter, James

Novel Pressure Swing Adsorption (PSA) Cycle to Facilitate Heavy Component (CO2) Enrichment and Recovery - (15510-FC55) 175,000

Sponsor: Jacobs Technology, Inc./NASA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Civil & Environmental Engineering

Huynh, Nathan

SCDOT Asset Collection - (15520-FB29) 120,000

Sponsor: Clemson / SCDOT / DOT

Co-PI: Ziehl, Paul

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

Mechanical Engineering

Besmann, Theodore

Database Development and Modeling of Fuel-Fission Products in High Burnup Systems - (15540-FC91) 29,452

Sponsor: UT- Battelle, LLC/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 137,694

PROJECT_YEARS: 2

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Chen, Fanglin

Syngas From CO2 Electrolysis - (15540-JA76)

150,434

Sponsor: Shell International Exploration and Production, Inc.

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Huang, Kevin

Novel Surface-Functionalized Powders for Solid Oxide Fuel Cells - (15540-FC92)

15,000

Sponsor: Sonata, LLC/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Hospitality, Retail & Sport Management, College of

Hospitality, Retail & Sport Management - (Dean)

Hudson, Simon

The Columbia Hospitality Tax-An Evaluation of Effectiveness - (14000-HA00)

38,200

Sponsor: City of Columbia

Co-PI: Meng, Fang Cardenas, David So, Kevin Kam Fung

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Hotel, Restaurant & Tourism Administration

Li, Xiang (Robert)

Local Community's Perception and Sentiment towards Shanghai Disney Resort - (14050-JA07)

61,060

Sponsor: Shanghai International Theme Park

Co-PI: Harrill, Richard

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Local Community's Perception and Sentiment towards Shanghai Disney Resort - (14050-JA08)

10,775

Sponsor: Shanghai International Theme Park

Co-PI: Harrill, Richard

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

**Office of Research
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March, 2015 New Awards

Sport & Entertainment Management

Shaomian, Armen

Making Money II - (14030-GL01)

1,500

Sponsor: SC Arts Commission

Co-PI: Brown, Matthew Heere, Bob Regan, Tom

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS:

1

Law, School of

Children's Law Center

Morris, Carolyn

Statewide Initiative to Reduce the Institutionalization of Status Offenders - (15810-FL63)

100,000

Sponsor: SC Department of Public Safety/DOJ

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS:

1

Medicine, School of

Family & Preventive Medicine

Bennett, Kevin

Savannah River Rural Health Network for the Planning Grant Evaluation - (18130-FL25)

8,000

Sponsor: Low Country HealthCare System, Inc./HRSA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS:

1

SCDHHS Environmental Scan of SC Healthcare Providers' Adoption and Use of Certified EHR Technology - (18130-FL26)

8,852

Sponsor: SC Department of Health and Human Services/Centers for Medicare and Medicaid/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS:

1

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Neurology

Mrelashvili, Davit

Transition: A Two-year Observational Study to Evaluate the Safety Profile of Fingolimod in Patients with Multiple Sclerosis who Switch from Natalizumab to Fingolimod - (18450-JA11)

766

Sponsor: Novartis Pharmaceuticals Corporation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 2

Pediatrics

Welsh, Robin

Developmental Evaluation Center Services 2015 - (18140-FM40)

100,000

Sponsor: SC Department of Health & Human Services/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Pharmacy, SC College of

Drug Discovery and Biomedical Sciences

Chen, Mengqian

Evaluating the efficacy of Senexin B in prostate and breast cancer - (11110-JA08)

165,762

Sponsor: Senex Biotechnology, Inc.

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Petkov, Georgi

Transient Receptor Potential Melastatin-4 (TRPM4) Channel in Urinary Bladder Smooth Muscle - (11110-FA74)

10,000

Sponsor: Medical University of South Carolina(MUSC)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Office of Research
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Public Health, Arnold School of

Communication Sciences & Disorders

Fridriksson, Julius

Speech Entrainment Treatment for Broca's Aphasia - (11560-FA21) 219,750

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

Co-PI: Rorden, Christopher Behroozmand, Roozbeh

AWARD_PROJECT_AMT. IF AVAILABLE: 402,875

PROJECT_YEARS: 2

Epidemiology & Biostatistics

Burch, James

Use of Heart Rate Variability (HRV) Biofeedback for Symptom Management among Cancer Survivors: Pilot Intervention - (11520-LA04) 15,000

Sponsor: Greenville Health System (GHS)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Health Services Policy and Management

Probst, Janice

SCDHHS Environmental Scan of SC Healthcare Providers' Adoption and Use of Certified EHR Technology - (11550-FL34) 66,148

Sponsor: SC Department of Health and Human Services/Centers for Medicare and Medicaid/HHS

Co-PI: Bennett, Kevin Bhavsar, Grishma

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

NRHA's Community Health Worker Patient Centered Diabetes Management Program - (11550-JL00) 100,000

Sponsor: National Rural Health Association/ Verizon Global Corporate Citizenship

Co-PI: Hale, Nathan Iyer, Medha Hardin, James

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

**Office of Research
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USC Beaufort

USC Beaufort - Academic Affairs

Montie, Eric

Invoice for Auditory Analysis – Factors that May Play a Role in Hearing Loss of Bottlenose Dolphins - (17210-KA14) 7,482

Sponsor: Florida Atlantic University/Georgia Aquarium

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

USC Beaufort - Community Outreach

Hargrove, Bonnie

Mountaintop Performance - (17230-GL00) 2,000

Sponsor: SC Arts Commission

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

USC Beaufort - General

Logue, Lindsey

Tennis on Campus - (17220-KL23) 750

Sponsor: NIRSA: Leaders in Collegiate Recreation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Vermilyea, Kate

Palmetto Pride 2015 - (17220-KL22) 3,512

Sponsor: Palmetto Pride

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

**Office of Research
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USC Upstate

USC Upstate

Johnson, Merri

Black Lives Matter: Race Relations in the 21st Century - (17880-FL85)

8,000

Sponsor: SC Humanities Council/NEH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS:

1

Report Total:

\$2,873,911