Arts and Sciences, College of

Archaeology & Anthropology, SC Institute of
Rice, Nena

South Carolina Archaeology Month Poster 2014 - (21300-FA86) 4,700

Sponsor: SC Department of Archives and History/NPS/DOI

Co-PI: AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Smith, Karen

On-Site GA for CRM at McCrady Training Facility - (21300-FA87) 18,360

Sponsor: SC Army National Guard/DOD

Co-PI: AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Chemistry & Biochemistry

Angel, S.

Miniature Spatial Heterodyne Time-Resolved Raman Spectrometer (SHRS) for Planetary Surface and Subsurface Boreholes Mineralogy - (13020-FC43) 269,752

Sponsor: National Aeronautics & Space Administration (NASA)

Co-PI: AWARD_PROJECT_AMT. IF AVAILABLE: 817,172
PROJECT_YEARS: 3

Chen, Donna

Metal-Organic Frameworks as Gas-Phase Heterogeneous Catalysts: Understanding Active Sites for Oxidation and Hydrogenation Reactions - (13020-KA99) 110,000

Sponsor: American Chemical Society -Petroleum Research Fund

Co-PI: Shustova, Natalia

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 2
Peryshkov, Dmitry
*Electron-Donating Carboranyl Ligands for Iron-Catalyzed Hydrocarbon Oxidation* - (13020-KA98)  
**Sponsor:** American Chemical Society-Petroleum Research Fund  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 2

Stefik, Morgan
*MRI: Acquisition of a Small-angle X-ray Scattering Instrument* - (13020-FQ07)  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:** Benicewicz, Brian Tang, Chuanbing Wang, Qian  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 5

**Earth and Ocean Sciences**
Ziolkowski, Lori
*Bioavailability of Arctic Soil Carbon: Examining the Relationship Between Chemical Composition and Lability During the Holocene* - (13040-FC23)  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 3

**English**
Cohen, Debra Rae
*Editorship of Modernist Studies Association (MSA)* - (12530-LL01)  
**Sponsor:** Johns Hopkins University Press/Modernist Studies Association  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 5

**Geography**
Wang, Cuizhen
*Perennial Biomass Crop Establishment and Environmental Impacts in the Midwestern United States* - (13540-FB25)  
**Sponsor:** National Institute of Food and Agriculture/USDA  
**Co-PI:**  
**AWARD_PROJECT_AMT. IF AVAILABLE:**  
**PROJECT_YEARS:** 2
Mathematics
Dilworth, Stephen
Banach Spaces and Applications - (13060-FA82) 147,164
Sponsor: National Science Foundation (NSF)
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: PROJECT_YEARS: 3

McKissick Museum
Przybysz, Jane
SCAC Folklife Partnership Renewal - (34000-GL03) 65,501
Sponsor: South Carolina Arts Commission
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: PROJECT_YEARS: 1

Physics & Astronomy
Crawford, Thomas
Collaborative Research: Processing and Assembly of Devices with Tailored Magnetic Properties - (13070-FB31) 263,348
Sponsor: National Science Foundation (NSF)
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: PROJECT_YEARS: 3

Purohit, Milind
Testing and Evaluation on Custom Electronics Boards for the Belle II Experiment (Response to PNNL PR-275843) - (13070-FB32) 10,000
Sponsor: Battelle Memorial Institute, Pacific NW Division/DOE
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: PROJECT_YEARS: 1

Psychology
Weist, Mark
Intervention Training, Fixed Price Agreement: Charleston County School District - (13580-HL13) 6,500
Sponsor: Charleston County School District
Co-PI:
AWARD_PROJECT_AMT. IF AVAILABLE: PROJECT_YEARS: 1
Sociology

Melamed, David

Testing a Mathematical Model of Status Processes and Faction Sizes - (13530-FA25)  48,151

Sponsor: Army Research Office (ARO)/DOD

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  1

Engineering & Computing, College of

Chemical Engineering

Lauterbach, Jochen

Commercializing a Sulfur-Tolerant JP-8 Fuel Converter - (15510-FC42)  50,000

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  1

Regalbuto, John

Fundamental Studies of Bimetallic Fuel Cell Catalysts - (15510-JB07)  180,003

Sponsor: Toyota Motor Engineering & Manufacturing North America, Inc.

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  1

Zhou, Xiao-Dong

University-Industry Partnership to Develop Reliable, Robust, and Active SOFC Cells and Stacks - (15510-FC43)  10,000

Sponsor: National Energy Technology Laboratory (NETL)/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  783,170

PROJECT_YEARS:  1
Civil & Environmental Engineering
Rizos, Dimitris
High-Strength Reduced-Modulus High Performance Concrete (HSRM-HPC) for Prestressed Concrete Tie Applications - (15520-FB26)  

Sponsor: Federal Railroad Administration/DOT  
Co-PI: Caicedo, Juan  Sutton, Michael  Mullen, Robert  
AWARD_PROJECT_AMT. IF AVAILABLE: 447,280  
PROJECT_YEARS: 3

Ziehl, Paul
Acoustic Emission Sensor Systems  
ISD Sensor Network Demonstration - (15520-FB25)  

Sponsor: SC Universities Research & Education Foundation (SCUREF)/SRNL/DOE  
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 57,999  
PROJECT_YEARS: 1

Mechanical Engineering
Huang, Kevin
Electrochemical Capture of CO2 and Instant Conversion into Syngas: A Combined Mechanistic and Engineering Approach - (15540-FC69)  

Sponsor: National Science Foundation (NSF)  
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 240,492  
PROJECT_YEARS: 1

Sutton, Michael
Modeling of Damage Evolution in Textile Composites - (15540-FC70)  

Sponsor: Universal Technology Corporation(UTC)/US Air Force  
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 10,000  
PROJECT_YEARS: 1
Hospitality, Retail & Sport Management, College of

Retailing, Department of

Edwards, Karen

Target Branding Leadership Series - ( 14010-JL02 ) 2,000

Sponsor: Target

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT_YEARS: 1

Law, School of

Children's Law Center

Morris, Carolyn

Children's Trust Fund of South Carolina Contract - ( 15810-KL07 ) 10,000

Sponsor: Children's Trust Fund of South Carolina/Annie E. Casey Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT_YEARS: 1

Mass Communications & Information Studies, College of

Journalism & Mass Communications, School of

Covington, Randy

Community Newspaper Holdings Inc. (CNHI) training - ( 15600-JJ01 ) 15,968

Sponsor: Community Newspaper Holdings Inc. (CNHI)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 
PROJECT_YEARS: 1

Medicine, School of

Family & Preventive Medicine

Mann, Joshua

Preventive Medicine and Public Health Training Program - ( 18130-FJ05 ) 230,175

Sponsor: Health Resources & Services Administration (HRSA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,498,629

PROJECT_YEARS: 5
Mayeaux, Edward (E.J)
The Diabetes Initiative of South Carolina - (18130-GL27) 15,998
Sponsor: Medical University of South Carolina (MUSC)
Co-PI: Todd-Heckel, Elizabeth

Medicine Library
Whitaker, Christine
History of USC School of Medicine - (18280-FL13) 8,865
Sponsor: National Network of Libraries of Medicine (NN/LM) Southeastern/Atlantic Region (SE/A)/NIH
Co-PI: Yeh, Felicia Knox, Ashley

Medicine, School of - (Dean)
Pedigo, Norman
Traineeships for Nurse Anesthesia 2014 - (18080-FJ23) 30,895
Sponsor: Health Resources & Services Administration (HRSA)

Neuropsychiatry
Lachance, Kerry
Cooperative Agreement between SC Vocational Rehabilitation Department and USC Dept. of Rehabilitation Counseling Program - (18120-GJ06) 19,200
Sponsor: SC Vocational Rehabilitation Department
Co-PI:

Pathology, Microbiology and Immunology
Karan, Dev
Racial Disparity of MIC-1 Gene in Prostate Tumor Biology - (18060-FB06) 174,218
Sponsor: National Cancer Institute (NCI)/NIH
Co-PI:
Office of Research
IT and Data Management Office
July, 2014  New Awards

Pediatrics
Neuberg, Ronnie
A Phase 3b Continuation study of the Safety and Efficacy of PEGylated Recombinant Factor VIII (PEG-rFVIII; BAX 855) in Prophylaxis of Bleeding in Previously Treated Patients with Severe Hemophilia A; Protocol No. 261302 - (18140-JA30)
Sponsor: Baxter Healthcare Corporation
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 7,000
PROJECT_YEARS: 3

Pharmacology, Physiology & Neuroscience
Kelly, Michy
Compartmentalization of Cyclic Nucleotide Signaling in the Ventral Hippocampus - (18080-FA46)
Sponsor: National Institute of Mental Health (NIMH)/NIH
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 333,750
PROJECT_YEARS: 5

Nursing, College of
Nursing
Elk, Ronit
Community-Generated Palliative Care Telemedicine for Rural Black and White Elders - (11200-FA20)
Sponsor: National Institute on Aging (NIA)/NIH
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 222,852
PROJECT_YEARS: 2

LaSala, Kathleen
Nurse Faculty Loan Program 2014 - (11200-FJ23)
Sponsor: Health Resources & Services Administration (HRSA)/HHS
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 26,629
PROJECT_YEARS: 1
Pharmacy, SC College of

**Palmetto Poison Center**
Michels, Jill

*Palmetto Poison Center Prevention Outreach and Education to the Public and Healthcare Professionals - (11140-GL06)*

**Sponsor:** SC Department of Health and Human Services  
**Co-PI:** Richardson, William  
**AWARD_PROJECT_AMT:** 550,000  
**PROJECT_YEARS:** 1

**Pharmaceutical and Biomedical Sciences**

Pittman, Douglas

*Ubiquitin-mediated Regulation of the RAD51D Homologous Recombination Protein - (11110-FA67)*

**Sponsor:** National Institutes of Health (NIH)  
**Co-PI:** Frizzell, Norma, Broude, Eugenia  
**AWARD_PROJECT_AMT:** 50,000  
**PROJECT_YEARS:** 3

**Pharmacy - Clinical Pharmacy and Outcomes Sciences**

Bennett, Charles

*Subcontract from Brandeis University - South Carolina Opioid Safety Initiative in the Military (SCOSI-M) - (11150-FA10)*

**Sponsor:** Brandeis University/NIH  
**Co-PI:**  
**AWARD_PROJECT_AMT:** 161,979  
**PROJECT_YEARS:** 2

*Subcontract with Oncology Analytics - (11150-JA14)*

**Sponsor:** Oncology Analytics  
**Co-PI:**  
**AWARD_PROJECT_AMT:** 110,859  
**PROJECT_YEARS:** 1
Office of Research
IT and Data Management Office
July, 2014  New Awards

Bookstaver, Brandon
Acute Bacterial Skin and Skin Structure Infection (abSSSI) Practice Pattern Assessment - ( 11150-JA15 )

Sponsor:  Durata Therapeutics International B.V.
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:  1,000
PROJECT_YEARS:  1

Public Health, Arnold School of

Communication Sciences & Disorders
Fridriksson, Julius

Brain Connectivity Supporting Language Recovery in Aphasia - ( 11560-FA20 )

Sponsor:  Medical University of South Carolina (MUSC)/NIH
Co-PI:  Rorden, Christopher

AWARD_PROJECT_AMT. IF AVAILABLE:  144,143
PROJECT_YEARS:  5

Environmental Health Sciences
Baalousha, Mohammed

Evaluation of the Role of Size Dispersity on Nanoparticle Uptake and Ecotoxicity - ( 11510-FB62 )

Sponsor:  National Science Foundation (NSF)
Co-PI:  Lead, Jamie  Chandler, G. Thomas

AWARD_PROJECT_AMT. IF AVAILABLE:  299,929
PROJECT_YEARS:  3

Exercise Science
Beets, Michael

Turn Up the HEAT - Healthy Eating and Activity Time in Summer Day Camps - ( 11530-FB04 )

Sponsor:  National Institute of Child Health & Human Development (NICHD)/NIH
Co-PI:  Khan, Mahmud  Hussey, James  Moore, Justin  Turner-McGrievy, Gabrielle

AWARD_PROJECT_AMT. IF AVAILABLE:  605,051
PROJECT_YEARS:  4
Fayad, Raja
Chronic Moderate Sleep Restriction in Older Long and Average Sleepers - (Diversity Supplement) - (11530-FB05)  
Sponsor: Arizona State University/NHLBI
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 10,000
PROJECT_YEARS: 1

Wilcox, Sara
Promoting Healthy Weight in Pregnancy and Postpartum among Overweight/Obese Women - (11570-FB19)  
Sponsor: National Institutes of Health (NIH)
Co-PI: Liu, Jihong
AWARD_PROJECT_AMT. IF AVAILABLE: 2,901,888
PROJECT_YEARS: 5

Health Promotion, Education & Behavior
Moore, Justin
Utilizing Physical Activity Coordinators to Increase Physical Activity Among Youth - (11540-FA58)  
Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH
Co-PI: Beets, Michael  Pate, Russ  Saunders, Ruth
AWARD_PROJECT_AMT. IF AVAILABLE: 403,742
PROJECT_YEARS: 2

Health Services Policy and Management
Khan, Mahmud
Health Facility Efficiency Study in PNG with a Focus on Secondary Care - (11550-LA06)  
Sponsor: The World Bank
Co-PI:  
AWARD_PROJECT_AMT. IF AVAILABLE: 438,760
PROJECT_YEARS: 1
Social Work, College of

DeHart, Dana

Partnership on Indigent Defense - (15900-GA14) 14,241

Sponsor: SC Commission on Indigent Defense
Co-PI: Lize, Steven

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Lize, Steven

Co-PI:
Sponsor:

PROJECT_YEARS: 1

Roth, Benjamin

Unaccompanied Immigrant Children and Processes of Integration - (15900-KA25) 10,000

Sponsor: Lutheran Immigrant and Refugee Service
Co-PI: Grace, Breanne

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

USC Aiken

Vanderburg, Michelle

USCAiken AmeriCorps Saturday Academy - SC Commission Grant - (17110-FL47) 191,287

Sponsor: United Way of SC Commission for National & Community Service/CNCS
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

USC Beaufort

Borgianini, Stephen

Re-colonization of a Large Coastal Saltwater Lagoon - (17220-KA09) 5,000

Sponsor: LowCountry Institute
Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1
Office of Research
IT and Data Management Office
July, 2014  New Awards

Report Total: $7,469,154