

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

February, 2013 New Awards

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**Arts and Sciences, College of**

**Biological Sciences**

**Anderson, Jill**

*Consequences of Seed Dispersal by Fruit-Eating Fish for Plant Biodiversity and Regeneration - ( 13010-KA93 )* 27,676

**Sponsor:** The Eppley Foundation for Research

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Sawyer, Roger**

*Biolucida Image Software (MBF) Bioscience to Support and Deliver a State-wide Online Histology Course (BIOL J530)(GEAR) - ( 13010-FQ02 )* 32,990

**Sponsor:** South Carolina EPSCoR/IDeA Program (NSF)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Chemistry & Biochemistry**

**Little, Scott**

*NASA EPSCoR Review - ( 22400-FA03 )* 10,000

**Sponsor:** College of Charleston/NASA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

*NASA EPSCoR Review - ( 22400-FA04 )* 10,000

**Sponsor:** College of Charleston/NASA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Criminology & Criminal Justice, Department of**

**Rojek, Jeffrey**

*The Columbia Police Department Smart Policing Initiative - ( 12200-FL01 )* 103,416

**Sponsor:** City of Columbia/DOJ

**Co-PI:** Wolfe, Scott Kaminski, Robert

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

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**Earth and Ocean Sciences**

**John, Seth**

*Beyond Top-down and Bottom-up: Quantifying Nutrient-virus-phytoplankton Interactions and Their Impacts on Marine Biogeochemistry - ( 13040-KA30 )* 131,777

**Sponsor:** Gordon and Betty Moore Foundation/University of Chicago

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 339,265

PROJECT\_YEARS: 3

**Kellogg, James**

*South Carolina Coastal Plain Basement Mapping Project - ( 13040-FC09 )* 13,695

**Sponsor:** SC Department of Natural Resources/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**McKissick Museum**

**Taylor, Saddler**

*Diverse Voices - Discovering Community through Traditional Arts - ( 34000-FA15 )* 25,000

**Sponsor:** National Endowment for the Arts (NEA)

**Co-PI:** Koverman, Jill

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Physics & Astronomy**

**Altschul, Brett**

*REU Site: Undergraduate Research in Physics at the University of South Carolina - ( 13070-FJ05 )* 128,904

**Sponsor:** National Science Foundation (NSF)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 257,808

PROJECT\_YEARS: 3

**Psychology**

**Weist, Mark**

*Help is Down the Hall - ABT Associates Contract - ( 13580-FL21 )* 11,716

**Sponsor:** ABT Associates/SAMSHA/HHS

**Co-PI:** Taylor, Leslie Splett, Joni Miller, Elaine

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Business, Moore School of**

***Business, Moore School of - Division of Research***

**Ployhart, Robert**

*Human Capital, Consumer, and Financial Risk - ( 21200-KA38 )* 98,791

**Sponsor:** Society of Human Resource Management (SHRM) Foundation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Education, College of**

***SC School Improvement Council***

**Barber, Cassie**

*SCDE Collaboration Grant - ( 15280-GL18 )* 4,750

**Sponsor:** SC Department of Education

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Engineering & Computing, College of**

***Chemical Engineering***

**Yu, Miao**

*Nano-Valved Adsorbents for CH4 Storage - ( 15510-FC21 )* 240,000

**Sponsor:** Gas Technology Insitute/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

***Civil & Environmental Engineering***

**Goodall, Jonathan**

*A GIS-based Mitigation Forecasting Tool and Study on  
Advanced Mitigation Processes used by DOTs - ( 15520-FB23 )* 413,837

**Sponsor:** SC Department of Transportation/FWHA/DOT

**Co-PI:** Saleh, Navid Meadows, Michael

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

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**Imran, Jasim**

*Accelerated Simulation of Submarine Strata - ( 15520-JA22 )* 182,399

**Sponsor:** Shell International Exploration and Production Company

**Co-PI:** Viparelli, Enrica

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**Rizos, Dimitris**

*Testing through FE Computer Simulations of a Mounting Bracket to Attach Inspection Equipment on Rail Cars - ( 15520-JL05 )* 6,572

**Sponsor:** MERMEC Inc.

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Computer Science & Engineering**

**Alekseyev, Max**

*CAREER: PRUGC---Phylogenetic Reconstructions with Unequal Gene Contents - ( 15590-FA99 )* 549,529

**Sponsor:** National Science Foundation (NSF)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 5

**Huhns, Michael**

*2012 IBM Faculty Award - ( 15590-JA04 )* 20,000

**Sponsor:** IBM

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Electrical Engineering**

**Dougal, Roger**

*IEEE Electric Ship Technologies Symposium (ESTS13) - ( 15530-FB44 )* 10,000

**Sponsor:** Office of Naval Research/DOD

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Mechanical Engineering**

**Farouk, Tanvir**

*High Carrier Density, Fast Switching Microscale Plasma Devices Enabled by Exploitation of Plasma Instabilities and High Pressures - ( 15540-FC35 )* 217,000

**Sponsor:** Texas A&M Engineering Experiment Station/US Army Research Office/DOD

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 3

**Reifsnider, Kenneth**

*Solid Oxide Reduction Membrane Durability - ( 15540-GA24 )* 20,000

**Sponsor:** SC Universities Research & Education Foundation (SCUREF)

**Co-PI:** Du, Yanhai

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Reynolds, Anthony**

*FSW process development for AA2219 - ( 15540-JA67 )* 32,348

**Sponsor:** Dynetics, Inc.

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Hospitality, Retail & Sport Management, College of**

**Integrated Information Technology**

**Gerdes, John**

*Resale Inventory Analysis Study - ( 14070-KA00 )* 86,371

**Sponsor:** ARDA International Foundation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Medicine, School of**

**Cell Biology & Anatomy**

**Spinale, Francis**

*VA/IPA: Heather M. Smith - ( 18020-FB09 )*

81,000

**Sponsor:** William Jennings Dorn VA Hospital/VA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Pediatrics**

**Neuberg, Ronnie**

*COG Chair Grant: Per Case Reimbursement - ( 18140-FA19 )*

9,000

**Sponsor:** Children's Hospital of Philadelphia/Children's Oncology Group/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Roberts, Carla**

*TCD With Transfusions Changing to Hydroxyurea--Subaward with Baylor College of  
Medicine - ( 18140-FA20 )*

29,995

**Sponsor:** Baylor College of Medicine/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Pharmacology, Physiology & Neuroscience**

**Reagan, Lawrence**

*IPA Dr. Grillo: Decreased CNS Leptin Activity in Co-morbid Depression and Obesity -  
( 18080-FA30 )*

76,729

**Sponsor:** WJB Dorn VA Medical Center/VA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

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**Wood, Susan**

*Neurobiological Mechanisms of Comorbid Affective-Cardiovascular Disease - ( 18080-KA46 )* 59,303

**Sponsor:** American Heart Association

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 125,303

PROJECT\_YEARS: 2

**Public Health, Arnold School of**

**Center for Health Services & Policy Research**

**Gillam, Pamela**

*Use of LARCs by Physicians- NFPRHA Grant - ( 11580-KA12 )* 4,982

**Sponsor:** SC Campaign to Prevent Teenage Pregnancy/NFPRHA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Environmental Health Sciences**

**Rothenberg, Sarah**

*Maternal Methylmercury Exposure Through Rice Ingestion and Offspring Development - ( 11590-FA58 )* 394,974

**Sponsor:** National Institute of Environmental Health Sciences (NIEHS)/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**Epidemiology & Biostatistics**

**Merchant, Anwar**

*Relation between Fasting Plasma Glucose, Insulin and Periodontal Microorganisms - ( 11590-KA09 )* 3,000

**Sponsor:** American Diabetes Association (ADA)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Steck, Susan**

*Dietary Inflammatory Index and Risk of Breast and Colorectal Cancers - ( 11520-KA28 )* 80,000

**Sponsor:** Prevent Cancer Foundation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

**Zhang, Hongmei**

*Phenomics: Joint Clustering to Associate Changes in Allergy and Asthma Over Time - ( 11520-FB23 )* 175,821

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

**Co-PI:** Karmaus, Wilfried

AWARD\_PROJECT\_AMT. IF AVAILABLE: 372,111  
PROJECT\_YEARS: 2

**Exercise Science**

**Pate, Russ**

*The TEDDY Study - ( 11530-FA85 )* 15,000

**Sponsor:** University of South Florida/NIH

**Co-PI:** McIver, Kerry

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Health Services Policy and Management**

**Martin, Amy**

*South Carolina Office of Rural Health FLEX Program Evaluation - ( 11550-FL15 )* 10,000

**Sponsor:** SC Office of Rural Health/HRSA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Williams, Amanda**

GA: William James - ( 11550-LT16 ) 4,800

**Sponsor:** Lexington Medical Center

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

GA: Yu Lin - Research Agreement - ( 11550-LT17 ) 2,700

**Sponsor:** Lexington Medical Center

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Public Health, Arnold School of - Dean**

**Smithwick, Julie**

Support to the MADRES Program (Acercamiento Hispano March of Dimes 2012 Community Grant) - ( 11500-KJ16 ) 4,000

**Sponsor:** SC Hispanic Outreach/March of Dimes

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Social Work, College of**

**Social Work, College of**

**Flynn, Cynthia**

DHEC/CCFS Interpreter Qualification Project and Interpreter Services - ( 15900-GL24 ) 96,991

**Sponsor:** SC Department of Health and Environmental Control (DHEC)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**USC Aiken**

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Leverette, Chad

Optimization of the Dual SERS/SEIRA Sensors for ORNL Applications - ( 17110-FA48 ) 25,000

**Sponsor:** UT-Battelle,LLC/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**USC Beaufort**

**USC Beaufort - Academic Affairs**

Warren, Alan

Beaufort County USCB equipment - ( 17210-HQ00 ) 250,000

**Sponsor:** Beaufort County

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**USC Beaufort - Community Outreach**

Hargrove, Bonnie

USCB Center for the Arts - ( 17230-KL04 ) 8,000

**Sponsor:** Coastal Community Foundation of SC

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Report Total: \$3,708,066**