Arts and Sciences, College of

Archaeology & Anthropology, SC Institute of

Brooks, Mark

Cultural Resource Management on the SRS - 21300-F110 105,000

Sponsor: US Department of Energy (DOE)
Co-PI:

Dawson, Audrey

Survey of the Proposed Florence/Darlington Technical College (FDTC) FMS Site - 21300-FA51 9,034

Sponsor: SC Army National Guard/DOD
Co-PI:

Baruch Institute

Buhay, Jennifer

EPSCoR/IDeA: Postdoctoral Academic Career Development Program - 21600-FB57 2,000

Sponsor: SC EPSCoR/SCRA/NSF
Co-PI:

Biological Sciences

Helmuth, Brian

Ecological Forecasting and Hindcasting of Biodiversity Responses to Climate Change: From MODIS to Mussels - 13010-FB18 111,429

Sponsor: National Aeronautics & Space Administration (NASA)
Co-PI: Wethey, David Hilbish, Thomas Lakshmi, Venkataraman

Viewing the World through Nonhuman Eyes: Exploring the Links between Remote Sensing, Climate Change and Coastal Ecosystems - 13010-FB26 4,932

Sponsor: National Aeronautics & Space Administration (NASA)
Co-PI:

US-Chile Planning Visit: Ecological Forecasting of Intertidal Ecosystems in Chile - 13010-FB49 18,645

Sponsor: National Science Foundation (NSF)
Co-PI: Wethey, David Hodge, John Place, Sean

Marton, Laszlo

Genetic Improvement of the Multipurpose Biomass and Remediation Plant, Giant Reed (Arundo donax) - 13010-JA06 40,000

Sponsor: Biomass Gas & Electric, LLC
Co-PI: Czako, Mihaly
Woodin, Sarah

*Real Time Measurements of Sediment Modification by Large Macrofauna* - 13010-FB03

**Sponsor:** Office of Naval Research (ONR)/DOD  
**Co-PI:** Wethey, David

**Chemistry & Biochemistry**

Angel, S.

*Raman Hollow Capillary Gas Mixture Studies* - 13020-FB60

**Sponsor:** Lawrence Livermore National Laboratory/DOE

**Dawson, John**

*Editing: Journal of Inorganic Biochemistry* - 13020-J400

**Sponsor:** Elsevier Science, Inc.

**Lebioda, Lukasz**

*Thymidylate Synthases: Modes of Catalysis and Inhibition* - 13020-FA77

**Sponsor:** National Cancer Institute (NCI)/NIH

**Murphy, Catherine**

*Journal of Physical Chemistry Editorship* - 13020-KL00

**Sponsor:** American Chemical Society

**Sodetz, James**

*Purified Human Complement Proteins* - 13020-JA05

**Sponsor:** Advanced Research Technologies

**COBRE: Center for Colon Cancer Research**

Berger, Franklin

*Thymidylate Synthases: Modes of Catalysis and Inhibition* - 13010-FA84

**Sponsor:** National Cancer Institute (NCI)/NIH

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## Sponsored Awards Management (SAM)

### November, 2008   New Awards

### English

Montgomery, Michael
- **SGER: Transcription of Traditional Appalachian Speech**  -  12530-FA08
  - **Sponsor:** National Science Foundation (NSF)
  - **Co-PI:**
  - **Amount:** 34,039

### Geography

Cutter, Susan
- **Contributions to the Summary of Current Knowledge about Community Resilience**  -  13540-FA53
  - **Sponsor:** UT-Battelle, LLC/Oak Ridge National Laboratory/DOE
  - **Co-PI:**
  - **Amount:** 55,000

- **Social Vulnerability and Place Vulnerability Analysis Methods and Application for Corps Planning**  -  13540-FA61
  - **Sponsor:** CDM Federal Programs Corporation/US Army Corps of Engineers/DOD
  - **Co-PI:**
  - **Amount:** 22,000

### Dow, Kirstin

- **Social Disruption from Oil Spills and Spill Response: Characterizing Effects, Vulnerabilities, and the Adequacy of Existing Data to Inform Decisionmaking**  -  13540-FA60
  - **Sponsor:** Social & Environmental Research Institute/NOAA
  - **Co-PI:**
  - **Amount:** 18,219

### Jakubs, John

- **GA: Justin Roberson**  -  13540-GP22
  - **Sponsor:** SC Forestry Commission
  - **Co-PI:**
  - **Amount:** 17,730

### Geological Sciences

Knapp, James
- **Petroleum Geology Study of the Douala Basin, Equatorial Guinea**  -  13040-JA11
  - **Sponsor:** Noble Energy Inc.
  - **Co-PI:**
  - **Amount:** 7,416

### Lakshmi, Venkataraman

- **Ecological Forecasting and Hindcasting of Biodiversity Responses to Climate Change: From MODIS to Mussels**  -  13040-FB36
  - **Sponsor:** National Aeronautics & Space Administration (NASA)
  - **Co-PI:**
  - **Amount:** 38,655
Sponsored Awards Management (SAM)
November, 2008   New Awards

Talwani, Pradeep
South Carolina Seismic Monitoring Network - 13040-FA45 104,452
Sponsor: SC Universities Research & Education Foundation (SCUREF)/WSRC/DOE
Co-PI:

Voulgaris, George
In Situ Validation of a HF Coastal Radar (Training on WERA Operation and Maintenance) - 13040-FB58 21,000
Sponsor: Skidaway Institute of Oceanography/SC Sea Grant Consortium/NOAA
Co-PI:

History
Harrison, Carol
Restoring Catholicism in Postrevolutionary France: Gender, Belief, and Secularization - 13550-LA04 45,000
Sponsor: William Marsh Rice University
Co-PI:

Political Science
Tyer, Charlie
GA: Karen Brinkley - 13570-HP26 7,265
Sponsor: City of Columbia
Co-PI:

GA: Edward Teelucksingh - 13570-HP27 1,500
Sponsor: Lexington School District Two
Co-PI:

GA: Oliver Hartner - 13570-KP06 4,042
Sponsor: Historic Columbia Foundation
Co-PI:

Psychology
Kelly, Sandra
Alcohol Exposure, Social Behavior and Development - 13580-FA43 349,606
Sponsor: National Institute on Alcohol Abuse & Alcoholism (NIAAA)/NIH
Co-PI:
Public Service & Policy Research, Institute for 
Beacham, Jeffery

Conestee Foundation: Leadership Services - 21100-KL17  
Sponsor: Conestee Foundation  
Co-PI:  
78,000

Oldendick, Robert

Public Perceptions of the South Carolina Department of Health and Environmental Control - 21100-GA01  
Sponsor: SC Department of Health & Environmental Control (DHEC)  
Co-PI:  
6,250

Education, College of

Education
Field, Bruce

Teacher Cadet Program - 15200-G221  
Sponsor: SC Center for Teacher Recruitment  
Co-PI:  
3,227

Educational Studies, Department of
Brown, William

Preparation of Early Childhood Special Education (ECSE) Personnel in South Carolina - 15240-FJ10  
Sponsor: US Department of Education (USDE)  
Co-PI: Lopez-DeFede, Ana Knopf, Herman  
199,115

Marshall, Kathleen

Project CREATE: Distance MAT Program - 15240-FJ16  
Sponsor: SC Department of Education/USDE  
Co-PI:  
50,000

Instruction & Teacher Education
Freeman, Nancy

Proposal to Provide Professional Development Related to PITC Modules I and II - 15250-FL26  
Sponsor: SC Dept of Education/USDE  
Co-PI:  
3,819
### Sponsored Awards Management (SAM)

**November, 2008  New Awards**

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<th>Project Description</th>
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<tr>
<td>Stephens, Diane</td>
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<td>Datawarehouse Project - 15250-FL25</td>
<td>SC State Department of Education/USDE</td>
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<td>Yap, Ching Ching</td>
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<td><strong>Engineering &amp; Computing, College of Chemical Engineering</strong></td>
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<td>Jabbari, Esmaiel</td>
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<td>Self-Healing Injectable Bone Graft - 15510-KA40</td>
<td>National Football League Charity</td>
<td>Guy, Jeff</td>
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<td>Ritter, James</td>
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<td>Hybrid PSA-Distillation Process Analysis - 15510-LA00</td>
<td>University of Texas at Austin</td>
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<td>White, Ralph</td>
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<td>Fundamental Studies on a Liquid Tin-based SOFC System - 15510-FB36</td>
<td>Office of Naval Research (ONR)/DOD</td>
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<td>Ziehl, Paul</td>
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<td>Investigation of Spliced Concrete Pile Connections - 15520-JL02</td>
<td>Sun Piledriving Equipment, LLC</td>
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### Electrical Engineering

**Khan, Asif**  
*High Frequency and High Power Electronics Using High Quality ALN Layers and Substrates*  
- 15530-FA48  
  **Sponsor:** Missile Defense Agency (MDA)/DOD  
  **Co-PI:**  
  **Amount:** 920,000

### Mechanical Engineering

**Bayoumi, Abdel**  
*U.S. Army Conditioned Based Maintenance Program: Aircraft Components Testing (CLIN 0002)*  
- 15540-FB12  
  **Sponsor:** SC National Guard/DOD  
  **Co-PI:**  
  **Amount:** 500,000

**Li, Xiaodong**  
*Measurement of the Shear Strength and Elastic Modulus of a Coating on a Substrate*  
- 15540-JA47  
  **Sponsor:** General Electric Company  
  **Co-PI:**  
  **Amount:** 17,000

**Reynolds, Anthony**  
*FSW Process Development for a New Marine Aluminum Alloy*  
- 15540-FB13  
  **Sponsor:** Surface Treatment Technologies, Inc./ONR  
  **Co-PI:**  
  **Amount:** 55,000

  **FSP I/UCRC Operation Account**  
- 15540-JA21  
  **Sponsor:** Various Sponsors  
  **Co-PI:**  
  **Amount:** 35,000

### Law, School of

**Children’s Law Center**  
**Morris, Carolyn**  
*Formula Grant - Community PRograms: Implementing the Reduction of DMC*  
- 15810-FJ04  
  **Sponsor:** SC Department of Public Safety/DOJ  
  **Co-PI:**  
  **Amount:** 175,191
Mass Communications & Information Studies, College of Journalism & Mass Communications, School of

Besley, John

Sponsor: National Science Foundation (NSF)
Co-PI:

Covington, Randy
Texas National Guard Youth Training - 15600-JJ00

Sponsor: Connect and Join Inc./SERCO, Inc.
Co-PI:

Medicine, School of Internal Medicine

Ahuja, Divya
Enhancing Linkages to HIV Primary Care and Services in Jail Settings Demonstration Models - 18190-FA01

Sponsor: Health Resources & Services Administration (HRSA) - HIV/AIDS Bureau
Co-PI: Albrecht, Helmut, Duffus, Wayne

Albrecht, Helmut
A Multicenter, Open-label, Controlled Phase II Study to Evaluate Safety and Immunogenicity of MVA-BN (IMVAMUNE) Smallpox Vaccine in 18 - 55 Year Old Naive and Previously Vaccinated HIV Infected Subjects with CD4 Counts >200 - 500 - 18190-FA00

Sponsor: Bavarian Nordic/NIH
Co-PI:

Ryan White HIV/AIDS Treatment Modernization Act - Part B (ADAP Insurance) - 18190-FL57

Sponsor: SC Department of Health & Environmental Control (DHEC)/HRSA
Co-PI: Raley, Nancy

Tibotec Pharmaceuticals Limited Protocol TMC278-TIDP-C209: A Phase III, Randomized, Double-blind Trial of TMC278 25 mg q.d. Versus Efavirenz 600 mg q.d. in Combination with a Fixed Background Regimen Consisting of Tenfovir Disoproxil Fumarate and Emtricitabine

Sponsor: Tibotec Pharmaceuticals Limited
Co-PI:
Horvath, Joseph  
Protocol AI424128: A Phase IV, Multi-center, Cross-sectional Study to Evaluate the I50L Substitution among Subjects Experiencing Virologic Failure on a HAART Regimen Containing Atazanavir (ATV). - 18190-JA28  
*Sponsor:* Bristol-Myers Squibb Company/PPD Development, LP  
*Co-PI:* Talwani, Rohit  Postic, Bosko  Elko, Lucinda

**Neuropsychiatry**

Harding, Richard  
Huntington’s Disease Contract - 18120-GL20  
*Sponsor:* SC Department of Mental Health (SCDMH)  
*Co-PI:*

Hwang, Te-Long  
PRoFESS-Prevention Regimen for Effectively Avoiding Second Stroke - 18120-JA01  
*Sponsor:* Boehringer Ingelheim Pharmaceuticals, Inc.  
*Co-PI:*

**Pediatrics**

Ferrante, Richard  
South Carolina Assistive Technology Program - 18140-FL79  
*Sponsor:* Rehabilitation Services Administration/USDE  
*Co-PI:*

**Pharmacology, Physiology & Neuroscience**

Wilson, Steven  
Role of ASIC3 in the Etiology of Fibromyalgia - 18080-FA11  
*Sponsor:* University of Iowa/NIH  
*Co-PI:*

**Research & Special Projects**

Howe, Duncan  
StrokeMobile: Mobile Prevention Program for Stroke in South Carolina - 18360-FL03  
*Sponsor:* CareSouth Carolina, Inc./HHS  
*Co-PI:*

John T. Stevens Foundation Scholarship - Lora Elizabeth Greene - 18360-KJ05  
*Sponsor:* John T. Stevens Foundation  
*Co-PI:*
**Pharmacy, SC College of**

**Pharmaceutical and Biomedical Sciences**

Berger, Sondra  
*Thymidylate Synthases: Modes of Catalysis and Inhibition*  -  11110-FA18  
*Sponsor:* National Cancer Institute (NCI)/NIH  
*Co-PI:*  
10,000

DiPiro, Joseph  
*Medical Education/Medicaid Enhanced Teaching*  -  22000-FL03  
*Sponsor:* Greenville Hospital System/HHS  
*Co-PI:*  
250,000

Wang, Desuo  
*Mechanism of Cardiac Protective Effect of Inhibitors of Late Sodium Current*  -  11110-JA06  
*Sponsor:* CV Therapeutics  
*Co-PI:*  
80,000

**Public Health, Arnold School of**

**Communication Sciences & Disorders**

Frank, Elaine  
*GA: Chelsea Contini*  -  11560-JP11  
*Sponsor:* Blue Choice Health Plan  
*Co-PI:*  
7,957

**Environmental Health Sciences**

Sabo-Attwood, Tara  
*Mechanisms of Asbestos-Induced Clca1 and Mucin in Lung Epithelium*  -  11510-FB11  
*Sponsor:* National Institute of Environmental Health Sciences (NIEHS)/NIH  
*Co-PI:*  
107,999

**Exercise Science**

Youngstedt, Shawn  
*GA: Kimberly Clouston*  -  11530-FP00  
*Sponsor:* WJB Dorn VA Medical Center/VA  
*Co-PI:*  
17,708
Health Promotion, Education & Behavior
Saunders, Ruth

Duke Endowment Wellness Project - 6-month extension - 11540-KA20 74,180

Sponsor: The Duke Endowment
Co-PI:

Health Services Policy and Management
Probst, Janice

GA: Emory Frazier - 11550-FP14 3,750

Sponsor: WJB Dorn VA Medical Center/VA
Co-PI:

GA: Krystal Hughes - 11550-LR04 3,200

Sponsor: Palmetto Health Medical Education
Co-PI:

GA: Eva Marie Truesdale - 11550-LR05 2,000

Sponsor: Lexington Medical Center
Co-PI:

Prevention Research Center
Hooker, Steven

Impact of Physical Activity on Stroke and Cognitive Function in Older Adults - 11570-FA82 6,814

Sponsor: National Institute of Neurological Disorders and Stroke (NINDS)/NIH
Co-PI: Blair, Steven Colabianchi, Natalie Vena, John

Research & Health Sciences, Vice President

Families in Society, Institute for
Luckey, Irene


Sponsor: The SC Center for Fathers and Families/Duke Endowment
Co-PI:
Social Work, College of

Social Work, College of
Fram, Maryah
Child, Mother, and Other Adult Perspectives, Interactions, Negotiations, and Choices About Food in Rural and Urban Food-insecure Households in South Carolina - 15900-FA18

Sponsor: Mississippi State University/USDA
Co-PI: Frongillo, Edward Jones, Sonya

USC Aiken

USC Aiken
Tuten, Jane
Proposal for Continuation of Contract for DOE-SR Public Reading Room at the University of South Carolina Aiken - 17110-FL38

Sponsor: US Department of Energy (DOE)
Co-PI:

USC Lancaster

USC Lancaster
Criswell, Stephen
NEA Grant for Catawba Studies - 17550-FA01

Sponsor: USC Lancaster Foundation/National Endowment for the Arts (NEA)
Co-PI:

SCBCB Grant for Catawba Studies - 17550-GA00

Sponsor: USC Lancaster Foundation/SC Budget and Control Board
Co-PI:
USC Salkehatchie

**USC Salkehatchie**

**Thomas, Andrew**

*Student Support Services - Grant-in-Aid - 17660-FL18*

**Sponsor:** US Department of Education (USDE)
**Co-PI:**

\[10,200\]

*Student Support Services - 17660-FL19*

**Sponsor:** US Department of Education (USDE)
**Co-PI:**

\[230,329\]

USC Upstate

**USC Upstate**

**Davison, Frieda**

*Library Book Fund - 17880-K137*

**Sponsor:** Carolina Piedmont Foundation
**Co-PI:**

\[4,000\]

**Ericson, Louise**

*Center for Student Success Special Projects - 17880-KL15*

**Sponsor:** Carolina Piedmont Foundation
**Co-PI:**

\[2,500\]

**Love, Charles**

*Upward Bound 2007-08 - 17880-FL71*

**Sponsor:** US Department of Education (USDE)
**Co-PI:** Ward, Gloria

*The College of Educational Enrichment - 17880-KL10*

**Sponsor:** Carolina Piedmont Foundation/Charles Lea Center
**Co-PI:**

\[22,500\]

**Randolph, Linda**

*Child Care Access Means Parents in School (CCAMPIS) Program Grant - 17880-FL73*

**Sponsor:** US Department of Education (USDE)
**Co-PI:**

\[44,911\]
Stockwell, John

**SC Quality Forum - 17880-JL00**

*Sponsor:* Carolina Piedmont Foundation/Various Sponsors

*Co-PI:*

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**Timonov, Alex**

**Globally Convergent Algorithms for Solving Inverse Problems of Marine Electromagnetics and Their Applications - 17880-LA00**

*Sponsor:* FOI, Swedish Defence Research Agency

*Co-PI:*

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**Turner, Jack**

**Watershed Ecology Center Education Program - 17880-KL00**

*Sponsor:* Carolina Piedmont Foundation

*Co-PI:*

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Report Total: $5,444,622