Sponsored Awards Management (SAM)
April, 2007  New Awards

Arts and Sciences, College of

Archaeology & Anthropology, SC Institute of
Brooks, Mark
  Cultural Resource Management on the SRS - 21300-F110  308,000
  
  Sponsor: US Department of Energy (DOE)
  Co-PI:

Smith, Steven
  Archaeological Search for 18th Century Jacksonboro, SC - 21300-GA16  8,181
  
  Sponsor: Lowcountry Council of Governments / SC Department of Transportation
  Co-PI:

Baruch Institute
Dantzler, Mary
  Factors Controlling the Transport of Vibrio Parahaemolyticus Between Sediments and Surface Water in an Estuarine System - 21600-KA31  1,200
  
  Sponsor: Slocum-Lunz Foundation
  Co-PI:

Morris, James
  The South Carolina Ecological Observatory Network Planning - 21600-GA07  25,000
  
  Sponsor: SC EPSCoR
  Co-PI:

Biological Sciences
Gaertner, Karin
  Effect of Selected Antibiotics on Microbial Community Structures in Seagrass Ecosystems - 21600-KA34  800
  
  Sponsor: Slocum-Lunz Foundation
  Co-PI:

Gutierrez, Casandra
  Microbial Phytohormone Production in the South Carolina Coastal Marshes: The Effects of Exogenous Indole-3-acetic on the Spartina Rhizoplane - 21600-KA33  800
  
  Sponsor: Slocum-Lunz Foundation
  Co-PI:
Hagenbuch, Isaac

*Monitoring Benthic Microalgal Response to Disturbance HPLC and In Situ Spectroscopy* - 21600-KA35

**Sponsor:** Slocum-Lunz Foundation  
**Co-PI:**

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Mousseau, Timothy

*SC STEPs to STEM* - 13010-FL08

**Sponsor:** National Science Foundation (NSF)  
**Co-PI:** Knapp, Loren  
Johnson, Ann  
Buell, Duncan  
Meade, Douglas

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Richardson, Tammi

*Potential Impacts of Upstream Land Use Change on Phytoplankton Community Dynamics in Winyah Bay, SC* - 21600-FB33

**Sponsor:** SC Sea Grant Consortium/NOAA  
**Co-PI:**

---

**Chemistry & Biochemistry**

Dawson, John

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

**Sponsor:** Elsevier Science, Inc.  
**Co-PI:**

---

Wang, Qian

*A Miniature Implantable Device for Continuous Glucose Monitoring* - 13020-FB22

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

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**Earth Sciences & Resources Institute**

Kloot, Robin

*Clemson Soil Test Data Repository-Training and Technical Support* - 24400-GJ00

**Sponsor:** Clemson University  
**Co-PI:**

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Shafer, John

*Integrated Hydrogeophysical and Hydrogeologic Driven Parameter Upscaling for Dual-Domain Transport Modeling* - 24400-FA06

**Sponsor:** US Department of Energy (DOE)

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Geography
Cutter, Susan
Social Vulnerability Mapping for the San Francisco Bay Area - 13540-KA13 20,500
Sponsor: The Fritz Institute
Co-PI:

Geological Sciences
Bulusu, Subrahmanyam
Satellite Data Analysis of Low-Frequency Indian Ocean Climate Variability - 13040-FB12 79,701
Sponsor: National Aeronautics & Space Administration (NASA)
Co-PI:

Kellogg, James
GEGEO-Technical and Scientific Cooperation Between the National University of Equatorial Guinea and the University of South Carolina - 13040-LA02 175,000
Sponsor: ExxonMobil Equatorial Guinea, Inc.
Co-PI: Knapp, James

Torres, Raymond
ONR Tidal Flats DRI - Phase I - 13040-FB30 13,436
Sponsor: Office of Naval Research (ONR)
Co-PI:

Voulgaris, George
Collaborative Research: Observation and Modeling of Inner Shelf Sediment Dynamics and Large-Scale Sorting: Cross-shelf or Alongshelf Transport? - 13040-FB13 119,655
Sponsor: National Science Foundation (NSF)
Co-PI:

Marine Science
Leibman, Adena
Development of MHC Markers Within Loggerhead Sea Turtles (Caretta caretta) - 21600-KA32 1,200
Sponsor: Slocum-Lunz Foundation
Co-PI:

Ranhofer, Melissa
Dissolved Organic Phosphorus (DOP) Utilization by Phytoplankton in Winyah Bay II: A Closer Look at Environmental Regulation of DOP Use in Three Phytoplankton Groups - 21600-KA36 1,200
Sponsor: Slocum-Lunz Foundation
Co-PI:
## Sponsored Awards Management (SAM)

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<td><strong>Mathematics</strong></td>
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<td><em>Summer Research Institute in Experimental Psychology</em> - 13580-FA55</td>
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<td><em>Risk in Context: New Methodology for Modeling Risk by Context Interactions</em> - 13580-FA54</td>
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Public Service & Policy Research, Institute for
Oldendick, Robert
Behavioral Risk Factor Surveillance System - 21100-FA14 12,900
    Sponsor: SC Department of Health & Environmental Control (DHEC)/CDC
    Co-PI:

Pregnancy Risk Assessment Monitoring System - 21100-FA20 16,000
    Sponsor: SC Department of Health & Environmental Control (DHEC)/CDC
    Co-PI:

Sheheen, Fred
The Civil and Human Rights Anthology Project, Final Phase - 21100-FA19 500
    Sponsor: Humanities Council of South Carolina/NEH
    Co-PI:

Statistics
Grego, John
Safety Belt Survey for the South Carolina Department of Public Safety - 13080-GA08 10,000
    Sponsor: SC Department of Public Safety
    Co-PI:

Hitchcock, David
2007 Advanced Placement Teacher Institute in Statistics - 13080-GJ05 16,440
    Sponsor: SC Department of Education
    Co-PI:

Theatre and Dance, Department of
jennings, richard
GA: Amanda Reyelt - 12580-GP03 1,737
    Sponsor: SC Department of Health & Environmental Control (DHEC)
    Co-PI:

Business, Moore School of
Business, Moore School of - Dean’s Office
Buchan, Nancy
A Worldwide Exploratory Inquiry into the Influence of Globalization on Cooperation - 21200-FA15 58
    Sponsor: National Science Foundation (NSF)
    Co-PI:
Sponsored Awards Management (SAM)
April, 2007  New Awards

Education, College of

**Education**

Hudgins, James

*Greenville Technical College President’s Leadership Institute* - 15230-GL09  1,500

*Sponsor:* Greenville Technical College  
*Co-PI:*

**Education Leadership & Policies**

Lindsay, Sandra

*Leadership Session Lexington Richland Five Part II: Assistant Principals* - 15230-HL06  2,500

*Sponsor:* School District Five of Lexington and Richland Counties  
*Co-PI:*

**Instruction & Teacher Education**

DeFord, Diane

*South Carolina Reading Initiative Phase 3 & 4 June 2007* - 15250-GJ23  13,000

*Sponsor:* SC Department of Education  
*Co-PI: Mills, Heidi*

James, Ellen

*Writing Improvement Network* - 15250-GL25  20,000

*Sponsor:* SC General Assembly  
*Co-PI:*

Virtue, David

*On-TRACK: Teaching Reading and Content Knowledge* - 15250-FJ18  125,000

*Sponsor:* SC Commission on Higher Education/USDE  
*Co-PI:*

**Office of Program Evaluation**

Yap, Ching Ching

*Coordinating A Special Event: TQR 2007* - 15290-FL07  8,909

*Sponsor:* SC State Department of Education/USDE  
*Co-PI:*

*Arts Assessment Institute 2007* - 15290-GL24  20,000

*Sponsor:* Winthrop University/SC Department of Education  
*Co-PI:
Engineering & Computing, College of

Chemical Engineering
Gadala-Maria, Francis
Rheological Measurements on Samples for the Food Industry - 15510-JL00 900
Sponsor: The Stellar Group
Co-PI:

Popov, Branko
Durability Study of SOFC Cathodes in the Presence of Metallic Interconnects - 15510-FB10 75,000
Sponsor: General Electric Company/DOE
Co-PI: Lee, Jong-Won

DURIP Proposal to Acquire a Power Supply with Multi-Channels for Bench-Scale Electroplating - 15510-FQ03 55,361
Sponsor: Office of Naval Research (ONR)
Co-PI:

Van Zee, John
I/UCRC Fuel Cell Center - Operating Account - 15510-JA11 87,500
Sponsor: Various Sponsors
Co-PI: Amiridis, Michael

Computer Science & Engineering
Valafar, Homayoun
NSF REU Supplement to Existing Career Grant (MCB-0644195): Assessment of the Structural Novelty of an Unknown Protein Using Unassigned Residual Dipolar Coupling Data - 15590-FA42 12,000
Sponsor: National Science Foundation (NSF)
Co-PI:

Valtorta, Marco
Sponsor: Air Force Research Laboratory (AFRL)/ONR
Co-PI: Huhns, Michael
### Electrical Engineering

**Dougal, Roger**

- **Collaborative Research: Hierarchical Integration and Control of Distributed Energy Resources** - 15530-FA64  
  - **Sponsor:** National Science Foundation (NSF)  
  - **Co-PI:**

**Ponci, Ferdinanda**

- **Uncertainty-based, Self-configuring Simulation for Design Support** - 15530-FA65  
  - **Sponsor:** Office of Naval Research (ONR)  
  - **Co-PI:**

### Mechanical Engineering

**Bayoumi, Abdel**

- **Cost and Effectiveness Analysis of the AH-64/UH-60/CH-47 On Board Vibrations Monitoring (VM) System: Testing** - 15540-FA66  
  - **Sponsor:** SC National Guard/DOD  
  - **Co-PI:**

**Giurgiutiu, Victor**

- **Participation in Phase II of NASA STTR T7-02** - 15540-FA63  
  - **Sponsor:** NextGen Aeronautics, Inc./NASA  
  - **Co-PI:**

**Knight, Travis**

- **Advanced TRISO Fuels with Zirconium Carbide for Very High Temperature Reactors** - 15540-FA84  
  - **Sponsor:** Department of Energy (DOE)  
  - **Co-PI:**

**Li, Xiaodong**

- **Synthesis of Necklace-Shaped, Boron and Boride Nanowires for Polymer Nanocomposite Applications** - 15540-FA83  
  - **Sponsor:** National Science Foundation (NSF)  
  - **Co-PI:**

**Sutton, Michael**

- **Quantifying Deformations on the Microscale: Development of a SEM-Based Measurement System with Software Implementation Capable of Measuring Crack Tip Strains** - 15540-FA82  
  - **Sponsor:** Correlated Solutions, Incorporated/NASA  
  - **Co-PI:**
**Medicine, School of**

**Cell & Developmental Biology & Anatomy**

Janicki, Joseph

*Cardiac Mast Cell: Role in Pathogenesis of Heart Failure*  -  18020-FA29  
**Sponsor:** National Heart, Lung & Blood Institute (NHLBI)/NIH  
**Co-PI:**

**Family & Preventive Medicine**

McDermott, Suzanne

*SC Disability and Health Project*  -  18130-FL08  
**Sponsor:** Centers for Disease Control (CDC)/HHS  
**Co-PI:**

**Internal Medicine**

Horvath, Joseph

*COL103952: A Randomized Trial Comparing the Efficacy and Safety of RTV-Boosted Lexiva with Truvada Versus RTV-Boosted Reyataz with Truvada in Antiretroviral-Naive Patients over 48 Weeks.*  -  18190-JA26  
**Sponsor:** GlaxoSmithKline  
**Co-PI:** Postic, Bosko, Derajtys, Pat, Jackson, Tonda

"Prospective Observational Study of Pneumonia in Fuzeon-exposed and Non-exposed Patients" [Protocol NV177751]  -  18190-JA33  
**Sponsor:** Charles River Laboratories/Hoffmann-La Roche, Inc.  
**Co-PI:**

Lin, Tu

*Protocol #M05-749 - A Multicenter, Randomized, Double-Blind, Prospective Study Comparing the Safety and Efficacy of Fenofibric Acid and Simvastatin Combination Therapy to Fenofibric Acid and Simvastatin Monotherapy in Subjects with Mixed Dyslipidemia and*

**Sponsor:** Abbott Laboratories  
**Co-PI:**
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<td>McGuire, Franklin</td>
<td>A Study of Decisions Surrounding Lung Cancer Surgery - 18190-KA06</td>
<td>Univ of North Carolina/American Cancer Society</td>
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<td>A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of Aripiprazole as Adjunctive Therapy in the Treatment of Patients with Major Depressive Disorder - 18120-JA04</td>
<td>Bristol-Myers Squibb Company</td>
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<td>Efficacy of Aripiprazole in Combination with Valproate or Lithium in the Treatment of Mania in Patients with Bipolar I Disorder Partially Nonresponsive to Valproate or Lithium Monotherapy - 18120-JA06</td>
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<td>A Multicenter, Randomized, Double Blind, Placebo and Escitalopram Controlled Trial of the Safety and Efficacy of BMS-562086 in the Treatment of Outpatients with Major Depressive Disorder - 18120-JA09</td>
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<td>The Fullerton Foundation, Inc.</td>
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<td>National Institute of Allergy and Infectious Diseases (NIAID)/NIH</td>
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<td>Role of CD44 in EC Injury and Melanoma Therapy - 18060-FA23</td>
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<td>Patton, Jeffrey</td>
<td>Mitochondrial Myopathy and Siderblastic Anemia - 18060-FA28</td>
<td>Cedars-Sinai Medical Center/NIH</td>
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**Pediatrics**
Ferrante, Richard

*Interactive Web-Based Learning Modules* - 18140-FJ05

**Sponsor:** SC Department of Health & Environmental Control (DHEC)/HHS

**Co-PI:**

SC Commission on National and Community Service (AMERICORP) - 18140-FL61

**Sponsor:** SC Department of Education/AmeriCorps

**Co-PI:**

Schwartz, I. David

*TrialNet Natural History Study of the Development of Type 1 Diabetes: Phase 1 Screening* - 18140-FA08

**Sponsor:** The George Washington University/NIH

**Co-PI:**

Tercica Protocol MS301: Recombinant Human Insulin-Like Growth Factor-1 (rhIGF-1) Treatment of Prepubertal Children with Growth Failure Associated with Primary IGF-1 Deficiency: A Phase 3, Randomized, Open-Label, Observation-Controlled, Multicenter, Parall

**Sponsor:** Tercica, Inc.

**Co-PI:**

MS 306 Recombinant Human Insulin-Like Growth Factor-1 (rhigf-1) Treatment of Children and Adolescents with Growth Failure Associated with Primary igf-1 Deficiency: an Open-Label, Multicenter, Extension Study - 18140-JA12

**Sponsor:** Tercica, Inc.

**Co-PI:**

**Pharmacology, Physiology & Neuroscience**
Reagan, Lawrence

*Hippocampal Insulin Signaling Deficits in Diabetic Rats* - 18080-FA06

**Sponsor:** National Institute of Neurological Disorders & Stroke (NINDS)/NIH

**Co-PI:** Wilson, Steven   Kelly, Sandra

**Pharmacy, College of**

**Pharmacy - (Dean)**
Rowen, Randall

*Clinical Pharmacy Agreement Service Contract* - 11150-LL02

**Sponsor:** Palmetto Health Richland

**Co-PI:**
Sponsored Awards Management (SAM)
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Public Health, Arnold School of Communication Sciences & Disorders
Frank, Elaine
Project Speech-Language Pathologist - Recruitment and Retention in Schools (SLP-RRS) Cohort B - 11560-FJ05

Sponsor: SC Department of Education/USDE
Co-PI:

Environmental Health Sciences
Feigley, Charles
Support for Environmental Epidemiology Faculty - 11500-FJ07

Sponsor: SC Department of Health & Environmental Control (DHEC)/CDC
Co-PI: Richter, Donna

Newman, Lee
Savannah River Ecology Laboratory Program - 11510-FB14

Sponsor: University of Georgia/DOE
Co-PI:

Epidemiology & Biostatistics
Adams, Swann
A Pilot Investigation Of Ethnic Disparities In Patient-Initiated Premature Treatment Discontinuation Among Colon Cancer Patients - 22080-FA08

Sponsor: National Cancer Institute (NCI)/NIH
Co-PI: Hebert, James

Cornman, Carol
Dementia Dialogues Revenue Account - 11520-LJ00

Sponsor: Various Sponsors
Co-PI:
Sponsored Awards Management (SAM)
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Hebert, James
South Carolina Cancer Disparities Community Network (Noncompeting Renewal--Year 3) - 22080-FA09
  Sponsor: National Cancer Institute (NCI)/NIH
  Co-PI:
  
South Carolina Cancer Disparities Community Network: Research Supplement to Promote Minority Researchers (Elder) - 22080-FA11
  Sponsor: National Cancer Institute (NCI)/NIH
  Co-PI:
  
South Carolina Cancer Disparities Community Network: Research Supplement to Promote Diversity in Health -Related Research (Armstead) - 22080-FA12
  Sponsor: National Cancer Institute (NCI)/NIH
  Co-PI:

Exercise Science
Davis, J. Mark
Effects of Quercetin Feedings on Susceptibility to Respiratory Infection Following Exercise Stress: Role of Lung Macrophages - 11530-FA35
  Sponsor: Defense Advanced Research Projects Agency (DARPA)
  Co-PI: Murphy, Elizabeth

Further Development of Curcumin, Muscadine, Quercetin and Caffeine as Natural Food Additives to Delay Fatigue and Enhance Physical Stamina and Mental Alertness - 11530-FA36
  Sponsor: Clemson University/DOD
  Co-PI: Mayer, Eugene

Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - 11530-J120
  Sponsor: Quaker Oats Company
  Co-PI:

Wilcox, Sara
A Partnership to Promote Physical Activity and Healthy Eating in AME Churches - 11530-FA29
  Sponsor: National Heart, Lung and Blood Institute (NHLBI)/NIH
  Co-PI: Saunders, Ruth   Addy, Cheryl
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Health Promotion, Education & Behavior
Richter, Donna
  *Merging Institute - SC DHEC Match for Account 11500-KL04 - 11500-GL01*  
  **Sponsor:** SC Department of Health & Environmental Control (DHEC)  
  **Co-PI:**  
  
  **SCPHC: Emerging Public Health Institute - 11500-KL04**  
  **Sponsor:** National Network of Public Health Institutes  
  **Co-PI:**

Health Services Policy and Management
Glover, Saundra
  *EXPORT - Year 2 - Administrative Core - 22070-FA02*  
  **Sponsor:** National Center on Minority Health & Health Disparities (NCMHD)/NIH  
  **Co-PI:** Creek, Kim

Laditka, Sarah
  *GA: Allyson Jarry - 11550-JP72*  
  **Sponsor:** Columbia Cardiology Consultants  
  **Co-PI:**

  *GA: Sarah Dickie - 11550-JP73*  
  **Sponsor:** Lutheran Homes of South Carolina, Inc.  
  **Co-PI:**

Stoskopf, Carleen
  *GA: Chris Howe - 11550-JP71*  
  **Sponsor:** PHT Services, Ltd.  
  **Co-PI:**

Research & Health Sciences, Vice President
Cancer Prevention Control Program
Brandt, Heather
  *A Population-Based HPV Survey of Women in South Carolina - 22080-FA10*  
  **Sponsor:** National Cancer Institute (NCI)/NIH  
  **Co-PI:**
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#### Social Work, College of

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<th>The Purchase of Social Work Training for DSS Staff and Agents. - 15900-FA11</th>
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### University Libraries

#### South Caroliniana Library

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<th>West, Elizabeth</th>
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USC Aiken

**USC Aiken**

Fetterolf, Monty

*Synthesis and Spectroscopic Investigations of Novel Hydrogen Storage Materials* - 17110-FA18

*Sponsor:* South Carolina Universities Research and Education Foundation (SCUREF)/WSRC/DOE

*Co-PI:* Pariyadath, Kutty

7,000

Harmon, Sarah

*A-01 and H-02 Wetland Organic Matter/Toxicity Study* - 17110-FA19

*Sponsor:* University of Georgia/DOE

*Co-PI:*

5,640

USC Beaufort

**USC Beaufort**

Quick, Gail

*Pathways To Success* - 17220-KL12

*Sponsor:* Arthur M. Blank Family Foundation

*Co-PI:*

39,500

USC Upstate

**USC Upstate**

Turner, Jack

*Watershed Ecology Center Education Program* - 17880-KL00

*Sponsor:* Carolina Piedmont Foundation

*Co-PI:*

10,000

*Microbial Study* - 17880-L101

*Sponsor:* Milliken & Company

*Co-PI:*

200

Report Total: $13,507,468