## Sponsored Awards Management (SAM)

**March, 2009   New Awards**

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<tr>
<th>Arts and Sciences, College of</th>
<th>Archaeology &amp; Anthropology, SC Institute of</th>
<th>Amer, Christopher</th>
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<tr>
<td>C.S.S. Pee Dee Project/Pee Dee River Survey</td>
<td>21300-KA02</td>
<td>Sponsor: Drs. Bruce and Lee Foundation</td>
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<td>Co-PI: Leader, Jonathan</td>
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<tr>
<th>Brooks, Mark</th>
<th>Cultural Resource Management on the SRS</th>
<th>21300-F110</th>
<th>Sponsor: US Department of Energy (DOE)</th>
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<tr>
<th>Art</th>
<th>Barth, Don</th>
<th>CIVIL - SC Film Production Fund</th>
<th>12510-GA03</th>
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<th>Biological Sciences</th>
<th>Ely, Berten</th>
<th>South Carolina Initiative for Minority Student Development</th>
<th>13010-FB43</th>
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<th>Felder, Michael</th>
<th>Peromyscus Laboratory Models for Biomedical Research</th>
<th>13010-FB50</th>
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<th>Hughes, Austin</th>
<th>Evolution of Immune Recognition and Evasion</th>
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<th>Marton, Laszlo</th>
<th>Genetic Improvement of the Multipurpose Biomass and Remediation Plant, Giant Reed (Arundo donax)</th>
<th>13010-JA06</th>
<th>Sponsor: Biomass Gas &amp; Electric, LLC</th>
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<td>Czako, Mihaly</td>
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<td>Mousseau, Timothy</td>
<td>Natural Resources Personnel Human/Wildlife Interaction Risk Management Model</td>
<td>CESU: Marine Corp-Parris Island/DOD</td>
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<td>Welch, Shane      Waldron, Jayme</td>
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<td>Stratmann, Johannes</td>
<td>REU Supplement: Role of the COP9 Signalosome and its Subunit CSN5 in the Regulation of MAPK Pathways and Defense Responses in Tomato</td>
<td>National Science Foundation (NSF)</td>
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<td>Chemistry &amp; Biochemistry</td>
<td>Unsatuated Heterometallic Cluster Complexes for Hydrogen Activation and Catalytic Hydrogenations</td>
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<td>Benicewicz, Brian</td>
<td>Reformate Impurity Effects on High Temperature PBI FC Membranes</td>
<td>Rensselaer Polytechnic Institute/ONR</td>
<td>60,575</td>
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<td>Dawson, John</td>
<td>Editing: Journal of Inorganic Biochemistry</td>
<td>Elsevier Science, Inc.</td>
<td>6,375</td>
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<td>Lebioda, Lukasz</td>
<td>Thymidylate Synthases: Modes of Catalysis and Inhibition</td>
<td>National Cancer Institute (NCI)/NIH</td>
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<td>Murphy, Catherine</td>
<td>Journal of Physical Chemistry Editorship</td>
<td>American Chemical Society</td>
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<td>Characterization of the Suf Fe-S Cluster Biosynthesis Pathway Under Stress</td>
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<td>Haloacetamidine Based Inactivators of Protein Arginine Deiminase 4</td>
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<td>MURI: Bio-Directed Hierarchical Assembly of Multifunctional Materials</td>
<td>University of Massachusetts/ARO</td>
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<td>Lexington County Methamphetamine Initiative Evaluation</td>
<td>Lexington County Sheriff's Department/DOJ</td>
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<td>Carbone, Gregory</td>
<td>Assessing the Impact of Salt-Water Intrusion in the Carolinas under Future Climatic and Sea-Level Conditions</td>
<td>SC Sea Grant Consortium/NOAA</td>
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Co-PI:

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Cutter, Susan

*Social Vulnerability Mapping for the Southeast* - 13540-KA17

**Sponsor:** Oxfam America

**Co-PI:**

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Dow, Kirstin

*Assessing the Impact of Salt-Water Intrusion in the Carolinas under Future Climatic and Sea-Level Conditions* - 13540-FA62

**Sponsor:** SC Sea Grant Consortium/NOAA

**Co-PI:** Tufford, Daniel Carbone, Gregory

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Jakubs, John

*Francis Marion and Sumter National Forest GIS Digital Update* - 13540-FA51

**Sponsor:** US Forest Service/USDA

**Co-PI:**

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Mills, Amy

*Doctoral Dissertation Research: Gender, Migration, and New Spaces for Palestinian Women* - 13540-FA64

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

**Co-PI:** Jensen, Natalie

---

**Geological Sciences**

Benitez-Nelson, Claudia

*Spatial and Temporal Variability in Chlorophyll, Primary Production and Export Production in the Southern Ocean* - 13040-FB64

**Sponsor:** University of California, San Diego/NASA

**Co-PI:**

---

Lakshmi, Venkataraman

*A Combined Active-passive Algorithm for Retrieval of Soil Moisture* - 13040-FB63

**Sponsor:** National Aeronautics & Space Administration (NASA)

**Co-PI:**

---

Torres, Raymond

*Remote Bathymetric Measurements with NCAM* - 13040-FB62

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

**Co-PI:**
Voulgaris, George
Physical Controls on Benthic Fluxes of Microalgae and Particulate Organic Matter in Estuarine Environments - 13040-FB65
* Sponsor: * South Carolina Sea Grant Consortium/NOAA
* Co-PI: * Pinckney, James

**Philosophy**
Khushf, George
Center for Bioethics - 21100-L102
* Sponsor: * USC School of Medicine Educ. Trust/PHA
* Co-PI: *

**Physics & Astronomy**
Crittenden, Scott
Are the Pili Produced by Electrogenic Bacteria Bionanowires? - 13070-FA82
* Sponsor: * Army Research Office (ARO)/DOD
* Co-PI: *

**Political Science**
Songer, Donald
REU Supplement: The Role of Courts in the Protection and Expansion of Civil and Political Rights: A Pilot Study - 13570-FA05
* Sponsor: * National Science Foundation (NSF)
* Co-PI: * Walker, Lee

**Psychology**
Brown, Martha
GA: Jennifer Caldwell - 13580-GP23
* Sponsor: * SC Department of Mental Health-Morris Village
* Co-PI: * Schatz, Jeffrey

Schatz, Jeffrey
Home-based Pain Management Training for Pediatric Sickle Cell Disease - 13580-FA69
* Sponsor: * National Heart, Lung & Blood Institute (NHLBI)/NIH
* Co-PI: * McClellan, Catherine

**Southern Studies, Institute for**
Edgar, Walter
The Writings of Elizabeth Fox-Genovese - 12060-KA03
* Sponsor: * Watson-Brown Foundation
* Co-PI: * Smith, Mark
Sponsored Awards Management (SAM)
March, 2009   New Awards

**Statistics**
Grego, John
*Statistical Analysis for SC Department of Mental Health--Education, Training and Research* - 13080-FL04

*Sponsor:* SC Department of Mental Health/HHS  
*Co-PI:* Sims, Wilma

**Education, College of**

**Educational Studies, Department of**
DiStefano, Christine

*Development and Validation of Behavioral Screeners for Early Identification and Intervention in Elementary School* - 15240-FA08

*Sponsor:* Georgia State University/USDE  
*Co-PI:*

**Instruction & Teacher Education**
Freeman, Nancy

*Improve the Quality of Child Care for South Carolina Families* - 15250-FJ31

*Sponsor:* SC Department of Social Services/HHS  
*Co-PI:*

Kuhs, Therese

*Diverse Pathways in Teacher Preparation: A Collaborative Approach for South Carolina 2- and 4-Year Colleges* - 15250-FJ07

*Sponsor:* US Department of Education (USDE)  
*Co-PI:* Dickey, Ed   Thompson, Stephen   Zenger, Jane

Virtue, David

*NMSA Contract* - 15250-KL03

*Sponsor:* National Middle School Association  
*Co-PI:*

**Physical Education**
Rink, Judith

*Physical Education Assessment Program* - 15210-KL00

*Sponsor:* SC Alliance for Health, Physical Education, Rec. & Dance  
*Co-PI:*
**Sponsored Awards Management (SAM)**

March, 2009  New Awards

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### Engineering & Computing, College of

**Chemical Engineering**

Jabbari, Esmaiel

*Engineering Bone Formation in Multi-Functional Nancomposite Scaffolds* - 15510-FB30

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

**Biodegradable Self-Inductive Scaffold for Cranial Regeneration** - 15510-FB46

**Sponsor:** National Institute of Dental & Craniofacial Research (NIDCR)/NIH

**Moss, Melissa**

*CAREER: Amyloid Fibril Formation in Bulk Solution and on Supported Phospholipid Bilayers* - 15510-FB03

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

**Polymer Nanocomposites for Energy Storage and Pulsed Power** - 15510-FB45

**Sponsor:** Universal Technology Corporation/US Air Force/DOD

**Van Zee, John**

*I/UCRC Fuel Cell Center - Operating Account* - 15510-JA11

**Sponsor:** Various Sponsors  
**Co-PI:** Amiridis, Michael

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### Civil & Environmental Engineering

**Goodall, Jonathan**

*GeoInformatics: CUAHSI Hydrologic Information Systems* - 15520-FA53

**Sponsor:** Univ of Texas at Austin/NSF

**Cyberinfrastructure to Support Real-time Hydrologic Modeling** - 15520-JA15

**Sponsor:** University of North Carolina - Chapel Hill/MicroSoft Corporation

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<th>Project Title</th>
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<td>Huynh, Nathan</td>
<td>Development of Truck Trip Generation Models</td>
<td>SC State University/DOT</td>
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<td>Electrical Engineering</td>
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<td>Doogal, Roger</td>
<td>Personal Power Network</td>
<td>Office of Naval Research (ONR)/DOD</td>
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<td>Infusion of a Gaming Paradigm into Computer-Aided Engineering Design Tools</td>
<td>Office of Naval Research (ONR)</td>
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<td>Khan, Asif</td>
<td>InGaN Based High Power Visible Lasers</td>
<td>US Army Research, Development, &amp; Engineering Command &amp; Acquisition</td>
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<td>Center (DARPA)/DOD</td>
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<td>Shin, Yong-June</td>
<td>Development of Advanced Sensor and Signal Processing for SeniorSMART</td>
<td>Palmetto Health</td>
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<td>Sudarshan, Tangali</td>
<td>Polymer Nanocomposites for Energy Storage and Pulsed Power</td>
<td>Universal Technology Corporation/US Air Force/DOD</td>
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<td>Growth of Thick Epitaxial Layers on 4H-SiC Substrates Using Chlorine Chemistry for High Power Applications</td>
<td>Office of Naval Research (ONR)</td>
<td>150,000</td>
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**Mechanical Engineering**

Deng, Xiaomin

Identification of Blast Pressure Distributions from Explosions Using Full-field Surface Deformation Measurements and Advanced Inverse Analysis Methods  -  15540-FB01

**Sponsor:** University of Maryland/ARO/DOD  
**Co-PI:** Sutton, Michael

Investigation of Cohesive Modeling Methods  -  15540-JA40

**Sponsor:** General Motors R&D Center  
**Co-PI:** Sutton, Michael

Khan, Jamil

Professional Development Opportunity Fellowship Program  -  15540-FA97

**Sponsor:** Sandia National Laboratories/DOE

Remote Ultrasonic Diagnostics of Material Damage Under High Radiation and High Temperatures  -  15540-JA15

**Sponsor:** Westinghouse Electric Co. LLC

Sutton, Michael

Digital Image Correlation - Uncertainty Quantification  -  15540-FA65

**Sponsor:** Sandia National Laboratories/DOE

Advancement and Validation of Analysis Methods for Aging Military Aircraft  -  15540-FA88

**Sponsor:** Wichita State University (WSU)/DOD  
**Co-PI:** Deng, Xiaomin

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

Hotel, Restaurant & Tourism Administration

Li, Xiang (Robert)

Evaluating the Japanese Outbound Tourism Market-DOC  -  14050-FA01

**Sponsor:** US Department of Commerce  
**Co-PI:** Harrill, Richard
Sponsored Awards Management (SAM)
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Law, School of

Children’s Law Center
Morris, Carolyn

Effective Assistance of Counsel - 15810-FL14
Sponsor: SC Department of Public Safety/DOJ
Co-PI:

Legal Training for DSS Staff and Agents - 15810-FL15
Sponsor: SC Department of Social Services/HHS
Co-PI:

Medicine, School of

Cell & Developmental Biology & Anatomy
Carver, Wayne

Estrogen Modulation of Fibroblast Function in the Pressure Overloaded Heart - 18020-FA45
Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH
Co-PI:

Family & Preventive Medicine
McDermott, Suzanne

SC Disability and Health Project - 18130-FL12
Sponsor: Centers for Disease Control (CDC)
Co-PI:

Internal Medicine
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:

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 Emtricit
Sponsor: Tibotec Pharmaceuticals Limited
Co-PI:
DiPette, Donald
The South Carolina Center for Older Adult Independence (SCCOAI):
Promoting Independence for Older Adults
- 18000-KA00
    Sponsor: SCRF/HSSC/Palmetto Health
    Co-PI: Poole, Dennis  Hirth, Victor   Laditka, James

Eleazer, Paul
Leadership Development Initiative - 18190-KA08
    Sponsor: Association of Directors of Geriatric Academic Programs, Inc./Hartford Fdn.
    Co-PI:

Donald W. Reynolds Grant (Subrecipient grant: Technical Assistance) - 18190-KL01
    Sponsor: MUSC/Donald W. Reynolds Foundation
    Co-PI: Dever-Bumba, Maureen   Stewart, Thomas

Lin, Tu
Eli Lilly B7A-MC-MBBR LY333531 Treatment of Peripheral Neuropathy in Patients with Diabetes-Phase 3 Pivotal Clinical Trial - 18190-JA08
    Sponsor: Quintiles, Inc.
    Co-PI:

Raza, Muhammad
A Randomized, Double-Blind, Placebo-Controlled, Phase 2b Study to Assess the Safety and Efficacy Effects of ART-123 on Subjects with Sepsis and Disseminated Intravascular Coagulation - 18190-JA47
    Sponsor: Artisan Pharma, Inc.
    Co-PI:

Pathology & Microbiology
Ai, Walden
Structural Studies and Functional Regulation of KLF4 - 18060-FA39
    Sponsor: National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK)/NIH
    Co-PI:

Pirisi-Creek, Lucia
Papillomavirus Conferences 2007-12 - 18060-FA34
    Sponsor: National Cancer Institute (NCI)/NIH
    Co-PI:
Sponsored Awards Management (SAM)
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Ray, Swapan

*Differentiation and Apoptosis in Malignant Neuroblastoma* - 18060-FA40

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

*Co-PI:*

*Attenuation of Axonal Damage and Neuronal Death in EAE* - 18060-FA42

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

*Co-PI:*

*Proteolytic Control OF Glioblastoma* - 18060-FA43

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

*Co-PI:*

**Pediatrics**

Ferrante, Richard

*Consortium on Postsecondary Education for Students with Intellectual Developmental Disabilities* - 18140-FJ16

*Sponsor:* Association of University Centers on Disabilities/HHS

*Co-PI:*

*Transition and Postsecondary Education Project* - 18140-GL32

*Sponsor:* College Transition Connection/SCCHE

*Co-PI:*

Kotchmar, George

*Adapting MST to Address Transmission Risk Behaviors in HIV+ Young People* - 18140-FA11

*Sponsor:* Medical University of SC (MUSC)/NIMH

*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:*

"The GH Monitor" - *The Clinical Registry for Growth Hormone Therapy* - 18140-JA10

*Sponsor:* Serono, Inc.

*Co-PI:*
**Pharmacology, Physiology & Neuroscience**

**Wilson, Steven**  
*Gene Transfer into Selected Brain Neurons in Vivo* - 18080-FA20  
50,000  
*Sponsor:* Medical University of South Carolina/NIH  
Co-PI:

**Research & Special Projects**

**Howe, Duncan**  
*Fullerton Home Care Chronic Disease Prevention Program for Certified Nursing Assistants: Building on Success* - 18360-KL13  
89,991  
*Sponsor:* Duke University/Fullerton Foundation  
Co-PI:

**Nursing, College of**

**Nursing**

**Messias, DeAnne**  
*Subcontract: ENLACE: A Partnership to Promote Physical Activity Among Mexican Immigrant Women* - 11200-FA09  
76,041  
*Sponsor:* The University of Texas Health Sciences Center at San Antonio/NIH  
Co-PI: Sharpe, Patricia

**Pharmacy, SC College of**

**Pharmaceutical and Biomedical Sciences**

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

**Wang, Yuxun**  
*Role of Rpa1 Mutation in Genetic Instability and Cancer* - 11110-KA16  
24,000  
*Sponsor:* Medical University of South Carolina (MUSC)/American Cancer Society  
Co-PI:
Public Health, Arnold School of

Communication Sciences & Disorders
Bonilha, Heather

Throat Clearing, Coughing, and Alternative Behaviors - 11560-FA07 14,400

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH
Co-PI: Deliyski, Dimitar  Gerlach, Terri

Deliyski, Dimitar

Efficacy of Laryngeal High-Speed Videoendoscopy - 11560-FA04 481,503

Sponsor: National Institute of Deafness & Other Communication Disorders (NIDCD)/NIH
Co-PI: Petrushev, Pencho  Martin-Harris, Bonnie

Fridriksson, Julius

Neural Predictors of Anomia Recovery in Aphasia - 11560-FA05 319,788

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH
Co-PI: Baylis, Gordon  Rorden, Christopher  Bonilha, Leonardo

A Unified Neuroanatomical Model of Speech Production and Perception: Implications for Apraxia of Speech and Conduction Aphasia - 11560-FA08 316,298

Sponsor: National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH
Co-PI: Rorden, Christopher

Environmental Health Sciences
Chandler, G. Thomas

OECD Interlaboratory Validation of a Harpacticoid Copepod Development and Reproduction Test using Amphiascus Tenuiremis - 11510-FL01 8,872

Sponsor: Environmental Protection Agency (EPA)
Co-PI:
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<td><strong>Cornman, Carol</strong></td>
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<td><em>Development and Implementation of a Person-Centered Hospital Discharge Planning Model</em> - 11520-FL04</td>
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<td><strong>Hitch, Angela</strong></td>
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<td><em>Bridging Barriers to Diabetes Care with Telemedicine</em> - 11520-FA91</td>
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<td><strong>Karmaus, Wilfried</strong></td>
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<td><em>Additional Analyses in the Aerobics Center Longitudinal Study</em> - 11530-JA04</td>
<td>45,000</td>
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<td><strong>Sponsor:</strong> The Coca-Cola Company</td>
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<td><strong>Co-PI:</strong></td>
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<td><strong>Carson, James</strong></td>
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<td><em>Cachexia in ApcMin/+ mice: The Role of IL-6</em> - 11530-FA49</td>
<td>272,191</td>
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<td><strong>Sponsor:</strong> National Institutes of Health (NIH)</td>
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<td><strong>Co-PI:</strong> Baynes, John Berger, Franklin Davis, J. Mark</td>
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<td><strong>Davis, J. Mark</strong></td>
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<td><em>Further Development of Curcumin, Muscadine, Quercetin and Caffeine as Natural Food Additives to Delay Fatigue and Enhance Physical Stamina and Mental Alertness</em> - 11530-FA36</td>
<td>99,996</td>
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<td><strong>Sponsor:</strong> Clemson University/SCRA/DOD</td>
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<td><strong>Co-PI:</strong> Mayer, Eugene</td>
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</table>
Durstine, J. Larry  
Sponsor: Michelin North America  
Co-PI:

Health Services Policy and Management  
Probst, Janice  
GA: Crystal Glover - 11550-LR09  
Sponsor: Palmetto Health Richland  
Co-PI:

GA: Suzanne Maynard - 11550-LR10  
Sponsor: Palmetto Health Richland  
Co-PI:

Public Health, Arnold School of - Dean  
Richter, Jane  
South Carolina Healthcare Facility Evacuation Grant - 11500-FL17  
Sponsor: SC Hospital Association/SLED/Homeless Security  
Co-PI:

Public Health, Arnold School of - General  
Truell, Deborah  
Type 1 Diabetes Genetics Consortium - 11590-FL00  
Sponsor: Benaroya Research Institute at Virginia Mason/NIH  
Co-PI:

Research & Health Sciences, Vice President  
Families in Society, Institute for  
Baxter, Suzanne  
Is Childhood Obesity Related to Participation in School Meals? - 10010-FA38  
Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH  
Co-PI:
## Sponsored Awards Management (SAM)

**March, 2009  New Awards**

### Student Affairs, Division of

#### Student Health

**gonzalez, lori**

State of South Carolina Department of Public Safety S.T.O.P. Violence Against Women Act Grant - 71000-FQ00  

| Sponsor: | SC Department of Public Safety/DOJ |
| Co-PI: | Eichelberger, Michelle |

#### Student Life

**Edwards, Anna**

Palmetto Initiative for Campus/Community Collaborations (PICCC) - 46300-FL33

| Sponsor: | SC Department of Alcohol & Other Drug Abuse Services/DOJ |
| Co-PI: | |

### USC Aiken

#### USC Aiken

**Allen, Gloria**

Mathematics and Science Coaching Initiative Project Number 08 FC 308-01 - 17110-GL38

| Sponsor: | SC Department of Education |
| Co-PI: | |

**Reid, Thomas**

Supplemental Funding for Distance Education for Developing Highly Qualified Middle School Mathematics Teachers - 17110-FJ10

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

**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 Beaufort

USC Beaufort - Academic Affairs
Mulkey, Lynn
Together for Beaufort Adequacy of Prenatal Care Coalition - Las Promotoras for the Lowcountry - 17210-KL02
Sponsor: BJHCHS/March of Dimes
Co-PI:

USC Lancaster

USC Lancaster
Bailey, Thelathia
Upward Bound - 17550-FL20
Sponsor: US Department of Education (USDE)
Co-PI: Bailey, Thelathia

USC Salkehatchie

USC Salkehatchie
Chavous, Warren
Salkehatchie Summer Scholars 2009 - 17660-KL26
Sponsor: Gaylord & Dorothy Donnelley Foundation
Co-PI:

USC Upstate

USC Upstate
Turner, Jack
Microbial Study - 17880-L101
Sponsor: Milliken & Company
Co-PI:

Report Total: $9,903,750