Sponsored Awards Management (SAM)
January, 2008   New Awards

Arts and Sciences, College of

Anthropology
Simmons, David
A Katrina-Dispaced Faculty Fellow Program  -  13590-KJ00 38,625
Co-PI:

Biological Sciences
Helmuth, Brian
Ecological Forecasting and Hindcasting of Biodiversity Responses to Climate Change: From MODIS to Mussels  -  13010-FB18 121,164
Sponsor: National Aeronautics & Space Administration (NASA)
Co-PI: Wethey, David    Hilbish, Thomas    Lakshmi, Venkataraman

Smith, Deanna
Examining the Role of the Lissencephaly Protein, Lis1, in Dynein-Based Transport  -  13010-FB33 211,341
Sponsor: National Institute of Neurological Disorders and Stroke (NINDS)/NIH
Co-PI:

Tufford, Daniel
Condition Assessment and Cumulative Impacts Analysis of Isolated Wetlands on the Carolinas Coastal Plain  -  13010-FB38 87,460
Sponsor: RTI International/EPA
Co-PI:

Chemistry & Biochemistry
Angel, S.
Raman Hollow-Capillary Gas Mixture Studies  -  13020-FB43 78,224
Sponsor: Lawrence Livermore National Laboratory/DOE
Co-PI:

Dawson, John
Editing: Journal of Inorganic Biochemistry  -  13020-J400 2,958
Sponsor: Elsevier Science, Inc.
Co-PI:

Lebioda, Lukasz
Thymidylate Synthases: Modes of Catalysis and Inhibition  -  13020-FA77 101,061
Sponsor: National Cancer Institute (NCI)/NIH
Co-PI:
Murphy, Catherine
Journal of Physical Chemistry Editorship  -  13020-KL00  
Sponsor: American Chemical Society  
Co-PI: 
3,308

Reger, Daniel
Synthesis of Metal Containing Polymers and Supramolecules Using New Polytopic Ligands  -  13020-GA11  
Sponsor: SC EPSCoR Program and SC INBRE  
Co-PI: 
50,000

Shaw, Timothy
Fundamental Investigation of Glacial/Interglacial Deep-sea pH and Carbonate Saturation Effects on Paired Benthic Foraminiferal Trace Element and Stable Isotope Signatures  -  13020-FB21  
Sponsor: National Science Foundation (NSF)  
Co-PI: 
36,999

Wang, Qian
CAREER: Development of Hierarchical Plant Virus Assemblies for Probing Cell-Matrix Interactions  -  13020-FB44  
Sponsor: National Science Foundation (NSF)  
Co-PI: 
115,000

COBRE: Center for Colon Cancer Research
Berger, Franklin
Thymidylate Synthases: Modes of Catalysis and Inhibition  -  13010-FA84  
Sponsor: National Cancer Institute (NCI)/NIH  
Co-PI: 
10,000

Environment, School of the
Fletcher, Madilyn
Enhancing the Regional Coastal Ocean Observing System in the Southeastern United States: SECOORA Information Management/Ocean Data Partnership-USC  -  10060-FA13  
Sponsor: SC Sea Grant Consortium/NOAA  
Co-PI: Porter, Dwayne  
144,248

Geological Sciences
Kellogg, James
Editorship of Elsevier Science Ltd: Journal of South American Earth Sciences  -  13040-J400  
Sponsor: Elsevier Science, Ltd.  
Co-PI: 
5,200
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Sponsored Awards Management (SAM)
January, 2008   New Awards

**Public Service & Policy Research, Institute for**
Oldendick, Robert  
*Behavioral Risk Factor Surveillance System*  -  21100-FA14  
**Sponsor:** SC Department of Health & Environmental Control (DHEC)/CDC  
**Co-PI:**  

**287,850**

**Southern Studies, Institute for**
Edgar, Walter  
*Southern Studies Program Expansion*  -  12060-KL01  
**Sponsor:** Watson Brown Foundation  
**Co-PI:**  

**665,908**

**Business, Moore School of**

**Business, Moore School of - Division of Research**
Woodward, Douglas  
*The Economic and Fiscal Impact of BMW in South Carolina*  -  21200-JA18  
**Sponsor:** BMW Manufacturing Company  
**Co-PI:**  

**49,000**

**Education, College of**

**Instruction & Teacher Education**
Burton, Megan  
*GA: Abbie Shook*  -  15250-JP00  
**Sponsor:** Blue Choice Health Plan  
**Co-PI:**  

**2,517**

**Office of Program Evaluation**
Yap, Ching Ching  
*Arts in Education Research Project II (Year 8)- SDE*  -  15290-GL30  
**Sponsor:** SC Department of Education  
**Co-PI:**  

**5,000**
Engineering & Computing, College of

Chemical Engineering

Moss, Melissa
CAREER: Amyloid Fibril Formation in Bulk Solution and on Supported Phospholipid Bilayers - 15510-FB03
Sponsor: National Science Foundation (NSF)
Co-PI:

Sikha, Godfrey
Aircraft Battery Diagnostic and Prognostic System (STTR) - 15510-FB27
Sponsor: Venable Industries/ONR
Co-PI:

St-Pierre, Jean
Technical Support to Refine and Validate PEMFC Model - 15510-FB28
Sponsor: National Renewable Energy Laboratory (NREL)/DOE
Co-PI:

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

White, Ralph
Optimal Design of Compact Fuel Cell Hybrid Power Systems (STTR - Phase II) - 15510-FB26
Sponsor: IDV (Interactive Data Visualization, Inc.)/US Army
Co-PI: Gatzke, Edward  Santi, Enrico

Civil & Environmental Engineering

Chaudhry, M.
Technology Transfer Activities - SC Department of Transportation - 15520-GJ00
Sponsor: SC Department of Transportation
Co-PI:

Ray, Richard
USGS NEHRP Testing and Analysis of Deep Sediments in Charleston SC - 15520-FA58
Sponsor: US Geological Survey (USGS)/DOI
Co-PI:
Ziehl, Paul  
Behavior of Pile to Pile-cap Connections Subjected to Seismic Forces  -  15520-FA59  
**Sponsor:** SC Department of Transportation (SCDOT)/FHWA/DOT  
**Co-PI:** Rizos, Dimitris  Caicedo, Juan  
491,000

**Electrical Engineering**

Dougal, Roger  
Infusion of a Gaming Paradigm into Computer-Aided Engineering Design Tools  -  15530-FA66  
**Sponsor:** Office of Naval Research (ONR)  
**Co-PI:** Tang, Jijun  
382,782

**High Speed Turbo-Generator: Test Stand Simulator Including Turbine Engine Emulator**  -  15530-FA72  
**Sponsor:** Office of Naval Research(ONR)/DOD  
**Co-PI:** Monti, Antonello  Khan, Jamil  
119,998

Khan, Asif  
Deep Ultraviolet Avalanche Photodetectors (DUVAP)  -  15530-FA53  
**Sponsor:** Defense Advanced Research Projects Agency (DARPA)/ONR  
**Co-PI:**  
100,000

Monti, Antonello  
Frequency-Agile Wide-Bandwidth Power Interface to Support Incremental Virtual Prototyping  -  15530-FA63  
**Sponsor:** Office of Naval Research (ONR)/DOD  
**Co-PI:** Simin, Grigory  Santi, Enrico  Bakos, Jason  
305,000

Ponci, Ferdinanda  
Uncertainty-based, Self-configuring Simulation for Design Support  -  15530-FA65  
**Sponsor:** Office of Naval Research (ONR)  
**Co-PI:**  
95,400

Shin, Yong-June  
CAREER: Diagnostics and Prognostics of Electric Cables in Aging Power Infrastructure  -  15530-FA73  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:**  
377,807
### Mechanical Engineering

**Li, Xiaodong**

**Nanoscale Deformation and Toughening Mechanisms of Nacre** - 15540-FA86

- **Sponsor:** US Army Research Office (ARO)/DOD
- **Co-PI:**
- **Amount:** $100,000

**Reifsnider, Kenneth**

**PM - Predictive Methods for Large-Scale Progressive Damage in Structural Composites for Aircraft Applications** - 15540-FA85

- **Sponsor:** Air Force Office of Scientific Research (AFOSR)/DOD
- **Co-PI:**
- **Amount:** $105,902

**Reynolds, Anthony**

**Advanced Friction Stir Processing for Ultra-refined Microstructure Development of Aluminum 7XXX Series Alloys (STTR)** - 15540-FA93

- **Sponsor:** Surface Treatment Technologies STT/Air Force Research Lab
- **Co-PI:**
- **Amount:** $30,000

### Law, School of

**Law, School of**

**Morris, Carolyn**

**DMC Project (1JO7001)** - 15810-FJ01

- **Sponsor:** SC Department of Public Safety/DOJ
- **Co-PI:**
- **Amount:** $47,432

**DMC Project (1JO6005)** - 15810-FJ02

- **Sponsor:** SC Department of Public Safety/DOJ
- **Co-PI:**
- **Amount:** $75,435

### Mass Communications & Information Studies, College of

**Journalism & Mass Communications, School of**

**Jackson, Patricia**

**Strategic Media Training** - 15600-FJ01

- **Sponsor:** Federal Bureau of Investigation (FBI)
- **Co-PI:**
- **Amount:** $3,541
Sponsored Awards Management (SAM)
January, 2008  New Awards

Medicine, School of

Cell & Developmental Biology & Anatomy
Cui, Taixing
Role of Nitrolinoleate in Vascular Lesion Formation Associated with Diabetes  -  18020-KA21

Sponsor: American Diabetes Association (ADA)
Co-PI: 

Gardner, Jason
Mast Cell Mediated Cardiovascular Effects of Cigarette Smoke  -  18020-JA01

Sponsor: Philip Morris USA, Inc.
Co-PI: Patel, Chanrashekhar

Family & Preventive Medicine
Baxley, Elizabeth
I3: A Practice Innovations Collaborative for Family Medicine Educators in North and South Carolina  -  18130-KJ01

Sponsor: Fullerton Foundation
Co-PI: Raynal, Holbrook

Medicine, School of - (Dean)
Fowler, Stanley
Center of Research Excellence/Undergraduate Program  -  18360-KJ03

Sponsor: Palmetto Health Richland
Co-PI:
Neuropsychiatry

Leech, Linda

**Long Term Training: Vocational Rehabilitation** - 18120-FJ00  

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

Cooperative Agreement Between SC DEPARTMENT OF MENTAL HEALTH, SC Vocational Rehabilitation Department, SC Commission for the Blind, and University of South Carolina Rehabilitation Counseling Program (This portion of the award from DMH) - 18120-GL13  

**Sponsor:** SC Voc Rehab Department/SC Commission for the Blind/SC DMH  
**Co-PI:**

Cooperative Agreement Between SC VOCATIONAL REHABILITATION DEPARTMENT, SC Commission for the Blind, SC Department of Mental Health and University of South Carolina Rehabilitation Counseling Program (This portion of the award from SCVRD) - 18120-GL14  

**Sponsor:** SC Voc Rehab Department/SC Commission for the Blind/SC DMH  
**Co-PI:**

Cooperative Agreement Between SC COMMISSION FOR THE BLIND, SC Vocational Rehabilitation Department, SC Department of Mental Health and University of South Carolina Rehabilitation Counseling Program (This portion of the award from SCCB) - 18120-GL15  

**Sponsor:** SC Voc Rehab Department/SC Commission for the Blind/SC DMH  
**Co-PI:**

Narasimhan, Meera

**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  

**Sponsor:** Bristol-Myers Squibb Pharmaceutical Research Institute  
**Co-PI:**

**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  

**Sponsor:** Bristol-Myers Squibb Pharmaceutical Research Institute  
**Co-PI:**
Pathology & Microbiology
Pirisi-Creek, Lucia
Papillomavirus Conferences 2007-12 - 18060-FA34 13,000
Sponsor: National Cancer Institute (NCI)/NIH
Co-PI:

Pediatrics
Schwartz, I. David
"The GH Monitor” - The Clinical Registry for Growth Hormone Therapy - 18140-JA10 75
Sponsor: Serono, Inc.
Co-PI:

Nursing, College of
Nursing
Alston, Denise
Implement and Determine the Efficacy of a Nurse-Run Foot-Care Clinic - 11200-KA05 2,000
Sponsor: Sigma Theta Tau, Alpha Xi Chapter
Co-PI:

Pharmacy, SC College of
Pharmaceutical and Biomedical Sciences
Berger, Sondra
Thymidylate Synthases: Modes of Catalysis and Inhibition - 11110-FA18 20,000
Sponsor: National Cancer Institute (NCI)/NIH
Co-PI:

Hofseth, Lorne
Nitric Oxide as a Target for Dietary Intervention in Colitis - 11110-FA27 58,500
Sponsor: Medical University of South Carolina (MUSC)/NIDDK/NIH
Co-PI:

Provost, Office of the
TRIO Programs
Beasley, Paul
Upward Bound Program - 21710-FL34 488,392
Sponsor: US Department of Education (USDE)
Co-PI:
## Sponsored Awards Management (SAM)
### January, 2008  New Awards

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<td><strong>Karmaus, Wilfried</strong></td>
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<td><em>Organochlorine Exposure and Gene Expression of Sex Steroids in a Multigenerational Cohort of Michigan Fish Eaters</em> - 11520-FA82</td>
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<td><strong>McKeown, Robert</strong></td>
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<td><em>Understanding Social and Personal Aspects of Faith and Practice Related to Health</em> - 11520-KA16</td>
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<td><strong>Exercise Science</strong></td>
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<td>Blair, Steven</td>
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<td><em>HEALTH Study: Sub-contract with RTI International</em> - 11530-FA38</td>
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<td>Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise/Novel Nutritional Strategies to Increase Mental Energy</td>
<td>Quaker Oats Company</td>
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<td>Troop Recruite MSPLlment (TRIM) - Coordinating Center</td>
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<td>Consultation on Effects of OAA Services on Medicare Utilization and Costs</td>
<td>Lieutenant Governor's Office on Aging/AOA</td>
<td>Oldendick, Robert</td>
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**Health Services Policy and Management**

Laditka, Sarah

GA: Kerri Durand - 11550-FP08  
**Sponsor:** WJB Dorn VA Medical Center/VA  
**Co-PI:**

2,400

GA: Emily Matthews - 11550-JP84  
**Sponsor:** Columbia Cardiology Consultants  
**Co-PI:**

5,500

GA: Kristin Schuller - 11550-JP85  
**Sponsor:** Lutheran Homes of South Carolina  
**Co-PI:**

4,500

GA: Sarah Dickie - 11550-LP99  
**Sponsor:** Autumn Corporation  
**Co-PI:**

6,500

Martin, Amy

Subcontract to implement "Flex Critical Access Hospital Health Information Technology Network Grant (CAH-HIT)" - 11550-FL08  
**Sponsor:** South Carolina Office of Rural Health/ORHP/HRSA  
**Co-PI:**

33,000

Probst, Janice

GA: Nathaniel Patterson - 11550-LP98  
**Sponsor:** Palmetto Health Graduate Medical Education  
**Co-PI:**

7,500

Xirasagar, Sudha

GA: Jason Prillaman - 11550-JP86  
**Sponsor:** Blue Cross Blue Shield of South Carolina  
**Co-PI:**

4,000

**Research in Nutrition & Health Disparities, Center for**

Moran, Robert

Diabetes Prevention Program Outcomes Study (DPP-OS) - 11590-FA22  
**Sponsor:** George Washington University/NIH  
**Co-PI:**

4,702
# Sponsored Awards Management (SAM)

**January, 2008   New Awards**

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<td>Research &amp; Health Sciences, Vice President</td>
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<td>Families in Society, Institute for&lt;br&gt;Luckey, Irene&lt;br&gt;IOLTA - 10010-KA08</td>
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<td>GA: Nancy Ella Henley - 15900-KR24</td>
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<td>GA: Lydia Kinton - 15900-LP69</td>
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Sponsored Awards Management (SAM)
January, 2008   New Awards

USC Aiken

USC Aiken
Smith, Garriet
Coral Reef Targeted Research - 17110-LA00 20,000
Sponsor: World Bank / The University of Queensland
Co-PI:

USC Salkehatchie

USC Salkehatchie
Carmichael, Ann
Salkehatchie Nursing Program BlueCross/BlueShield of SC - 17660-KL19 150,000
Sponsor: Western Carolina Higher Education Commission/ Blue Cross Blue Shield Fdn of SC
Co-PI:

USC Sumter

USC Sumter
Ross, Michelle
First Annual Jack Doyle Storytelling Festival - 17440-HL07 500
Sponsor: Sumter County Cultural Commission
Co-PI: Reese, Michele

USC Upstate

USC Upstate
Hightower, Mary
Advanced Placement 2008 Summer Teacher Institute (Studio Art) - 17880-GJ08 15,374
Sponsor: SC Department of Education
Co-PI:

Omolo, Bernard
Advanced Placement 2008 Summer Teacher Institute (Statistics) - 17880-GJ09 18,489
Sponsor: SC Department of Education
Co-PI:
Turner, Jack
Microbial Study - 17880-L101
Sponsor: Milliken & Company
Co-PI:

Report Total: $7,501,886