Sponsored Awards Management (SAM)
February, 2007   New Awards

Arts and Sciences, College of

**Anthropology**

Toumey, Chris

Citizens’ School of Fuel Cell & Hydrogen Technology (CSFC&HT) - 22040-LL04 10,000

*Sponsor:* SC Research Authority/Greater Columbia Fuel Cell Challenge

*Co-PI:

Archaeology & Anthropology, SC Institute of

Leader, Jonathan

South Carolina Institute of Archeology and Anthropology Facility Upgrade - 21300-GA14 90,000

*Sponsor:* SC Budget & Control Board

*Co-PI:

Art

Berry, Karla

PA Bootcamp Workshop - 12510-GJ00 8,500

*Sponsor:* SC Department of Commerce

*Co-PI:

Baruch Institute

Porter, Dwayne

Development of a Conceptual Model for an Integrated Coastal Prediction and Forecasting Initiative 167,564

- 11510-FB12

*Sponsor:* SC Sea Grant Consortium/NOAA  Chandler, G. Thomas

Integrating Terrestrial, Estuarine and Marine Observing Systems in Support of an Improved Understanding of Hypoxic Events in Long Bay, SC 38,932

- 21600-FB28

*Sponsor:* SC Sea Grant Consortium/NOAA

*Co-PI:

Development of a Conceptual Model for an Integrated Coastal Prediction and Forecasting Initiative 66,429

- 21600-FB30

*Sponsor:* SC Sea Grant Consortium/NOAA

*Co-PI:
Sponsored Awards Management (SAM)
February, 2007  New Awards

Wilde, Susan
The Expansion of the South Carolina Harmful Algal Bloom Project - 21600-FB29 215,525
Sponsor: SC Department of Natural Resources/NOAA
Co-PI:

Biological Sciences
Ely, Berten
REU Site: Undergraduate Research in Integrative Evolutionary Biology - 13010-FA89 93,337
Sponsor: National Science Foundation (NSF)
Co-PI: Hughes, Austin

Helmuth, Brian
Ecological Forecasting and Hindcasting of Biodiversity Responses to Climate Change: From MODIS to Mussels - 13010-FB18 50,000
Sponsor: National Aeronautics & Space Administration (NASA)
Co-PI: Wethey, David  Hilbish, Thomas  Lakshmi, Venkataraman

Raguso, Robert
Collaborative Research: Detection, Perception and Utilization of Floral CO2 by Manduca Sexta - 13010-FA83 54,018
Sponsor: National Science Foundation (NSF)
Co-PI:

Chemistry & Biochemistry
Angel, S.
Raman Waveguide Studies - 13020-FB19 64,973
Sponsor: Univ of California/Lawrence Livermore National Laboratory/DOE
Co-PI:

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

Murphy, Catherine
Journal of Physical Chemistry Editorship - 13020-KL00 6,926
Sponsor: American Chemical Society
Co-PI:
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<tr>
<th>Co-PI:</th>
<th>Sponsor:</th>
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<tr>
<td>Myrick, Michael</td>
<td>Ometric Research Services - 22040-JA00</td>
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<tr>
<td>zur Loye, Hans-Conrad</td>
<td>Synthesis of New Platinum Group Metal Oxides - 13020-FA79</td>
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<td>Shafer, John</td>
<td>Strategic Planning Support for Aquifer Dewatering Operation and Assessment at the Holcim, Inc. Quarry at Holly Hill, South Carolina - 24400-JA12</td>
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<td>Waddell, Michael</td>
<td>The Use of Non-Invasive Geophysical Methods for Identifying Possible Karst Induced Stability Problems in Holcim Inc. Quarry Near Holly Hill, South Carolina - 24400-JA13</td>
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<td>Jerman, Patricia</td>
<td>Sustainable Universities Initiative - 10060-K101</td>
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<td>Cutter, Susan</td>
<td>Natural and Human-Induced Disasters and other Factors Affecting Future Emergency Response and Hazard Management: An Outlook Paper - 13540-FA47</td>
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<td>Knapp, Camelia</td>
<td>The Use of Non-Invasive Geophysical Methods for Identifying Possible Karst Induced Stability Problems in Holcim Inc. Quarry Near Holly Hill, South Carolina - 13040-JA08</td>
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<td>Lakshmi, Venkataraman</td>
<td>Jet Propulsion Laboratory/NASA</td>
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<td>Owens, Thomas</td>
<td>Incorporated Research Institutions for Seismology (IRIS)/NSF</td>
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<td>Sharpley, Robert</td>
<td>University of Florida/USAF/DOD</td>
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<td>Crawford, Thomas</td>
<td>Seagate Technology LLC</td>
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<td>Wilson, Dawn</td>
<td>South Carolina Research Authority/Nutrition Research Consortium</td>
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<td>Sheheen, Fred</td>
<td>The Humanities Council of SC/NEH</td>
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<td>Feller, Robert</td>
<td>SC Department of Education/USDE</td>
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Sponsored Awards Management (SAM)
February, 2007  New Awards

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<tr>
<th>Field of Study</th>
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<td>Sociology</td>
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<td>Education, College of</td>
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<td>Education</td>
<td>SC Center for Teacher Recruitment</td>
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<td>Seaman, Michael</td>
<td>Consortium for Oceanographic Research and Education (CORE)/NSF</td>
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<td>Instruction &amp; Teacher Education</td>
<td>SC Department of Social Services/HHS</td>
<td>13,500</td>
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<td>Kuhs, Therese</td>
<td>US Department of Education (USDE)</td>
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<td>Engineering &amp; Information Technology, College of</td>
<td>Toyota Technical Center, USA, Inc.</td>
<td>144,276</td>
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**Sociology**

**Simpson, Brent**


*Sponsor:* National Science Foundation (NSF)

*Co-PI:* Irwin, Kyle

**Education, College of**

**Field, Bruce**

*Teacher Cadet Program*  -  15200-G221

*Sponsor:* SC Center for Teacher Recruitment

**Seaman, Michael**

*Coordination of the Centers for Ocean Sciences Education Excellence (COSEE) Network Evaluation*  -  15290-FA03

*Sponsor:* Consortium for Oceanographic Research and Education (CORE)/NSF

**Instruction & Teacher Education**

**Freeman, Nancy**

*Improve the Quality of Child Care for South Carolina Families*  -  15250-FJ17

*Sponsor:* SC Department of Social Services/HHS

**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)

**Engineering & Information Technology, College of**

**Amiridis, Michael**

*Synthesis and Characterization of Supported Metal Catalysts for Automotive Applications*  -  15510-JA44

*Sponsor:* Toyota Technical Center, USA, Inc.

*Co-PI:* Williams, Christopher
Gadala-Maria, Francis
Rheological Measurements on Samples for the Food Industry - 15510-JL00 225

Sponsor: The Stellar Group
Co-PI:

Ploehn, Harry
PFI: Polymer Nanocomposites Manufacturing Partnership - 22040-FA22 600,000

Sponsor: National Science Foundation (NSF)
Co-PI: Pastides, Harris Pond, David zur Loye, Hans-Conrad Karwan, Kirk

Van Zee, John
I/UCRC Fuel Cell Center - Operating Account - 15510-JA11 21,875

Sponsor: Various Sponsors
Co-PI: Amiridis, Michael

Computer Science & Engineering
Quan, Gang
CCLI: Novel Instruction Material Development for Embedded System Education in Undergraduate Curriculum - 15590-FA40 149,788

Sponsor: National Science Foundation (NSF)
Co-PI: Bowles, John

Electrical Engineering
Khan, Asif
Non-polar Epitaxy for Growth of Quasi-bulk A-GaN (STTR - Phase I) - 15530-FA59 30,000

Sponsor: Sensor Electronics Technology, Inc./Army
Co-PI:

Development of a Large Format, Interface Engineered III-nitride UV Imaging Arrays - 15530-FA61 50,000

Sponsor: Jet Propulsion Laboratory/NASA
Co-PI:

Sudarshan, Tangali
Investigation of Degradation Phenomena in SiC NPN Bipolar Junction Transistors - 15530-FA60 50,000

Sponsor: CREE, Inc./Army Research Lab/DOD
Co-PI:
Sponsored Awards Management (SAM)
February, 2007   New Awards

Mechanical Engineering
Addison, Veronica
An Interactive GIS Based Model for Active Transportation in the Built Environment - 15540-KA15
  Sponsor: Robert Wood Johnson Foundation
  Co-PI: Peters, Walter  Wilson, Dawn
  25,687

Reynolds, Anthony
Effects of Defects Study in FSW of 7075-T6 Sheet and Proof of Concept for FSW of 304 Stainless Steel Sheet - 15540-JA35
  Sponsor: Lockheed-Martin
  Co-PI:
  32,057

Medicine, School of
Cell & Developmental Biology & Anatomy
Price, Robert
DAKO ACIS II Image Analysis System for the University of South Carolina - 18020-FQ02
  Sponsor: National Center for Research Resources (NCRR)/NIH
  Co-PI:
  178,850

Internal Medicine
Chang, Lydia
VISION: A Randomized, Double-blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of the Addition of Inhaled Iloprost in Patients with Pulmonary Arterial Hypertension Receiving Oral Sildenafil - 18190-JA32
  Sponsor: CoTherix, Inc.
  Co-PI:
  9,480

Duffus, Wayne
Abbot RealTime CT/NG Specimen Collection Protocol No.: 9JT-02-04S03-01 - 18190-JA31
  Sponsor: Abbott Molecular, Inc.
  Co-PI:
  40,315

Medicine, School of - (Dean)
Fowler, Stanley
Integration of Physician Training and Biomedical Research in South Carolina - 18360-KJ01
  Sponsor: The Fullerton Foundation, Inc.
  Co-PI:
  290,000
Neuropsychiatry
Narasimhan, Meera

Cannabia and Schizophrenia: Effects of Clozapine (subcontract to NIH award through Dartmouth University) - 18120-FA04

Sponsor: Dartmouth Colleg/NIH

Co-PI:

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:

Risperidone Long-Acting for Alcohol and Schizophrenia Treatment (R-Last) - 18120-JA05

Sponsor: Trustees Dartmouth College/Janssen Medical Affairs

Co-PI:

A Multi-Center, Double-Blind Randomized, Parallel-Group, Placebo-Controlled Phase III Study of the Efficacy and Safety of Quetiapine Fumarate Sustained Release (Seroquel SR) in Combination With an Antidepressant in the Treatment of Patients with Major Dep

Sponsor: AstraZeneca Pharmaceuticals LP

Co-PI:

Pediatrics
Ferrante, Richard

South Carolina Assistive Technology Program - 18140-FL59

Sponsor: Rehabilitation Services Administration/USDE

Co-PI:

Schwartz, I. David

Noroditropin National Registry Program - 18140-JA08

Sponsor: Covance Periapproval Services, Inc.

Co-PI:

Research & Special Projects
Howe, Duncan

Glen Sharp Stroke Prevention Project - 18360-KA01

Sponsor: USC Educational Foundation

Co-PI:
Surgery
Bell, Richard McMurtry

Trauma Care Surgical Fellowship for South Carolina - 18200-KL00 100,000
Sponsor: Fullerton Foundation
Co-PI:

Pharmacy, College of
Basic Pharmaceutical Sciences
Petkov, Georgi

Beta-adrenergic Relaxation of Urinary Bladder Smooth Muscle - 11110-FA25 133,733
Sponsor: National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK)/NIH
Co-PI:

Public Health, Arnold School of
Communication Sciences & Disorders
Frank, Elaine

GA: Stephanie Zoch - 11560-JP05 1,388
Sponsor: Blue Choice Health Plan
Co-PI:

Epidemiology & Biostatistics
Cornman, Carol

Dementia Dialogues Revenue Account - 11520-LJ00 540
Sponsor: Various Sponsors
Co-PI:

Hussey, James

GA: Junlong Wu - 11520-KP10 2,515
Sponsor: The Baromedical Research Foundation
Co-PI:

Exercise Science
Blair, Steven

HYPGENE - Genetics, Fitness, Obesity, and Risk of Hypertension (Sub-contract) - 11530-FA33 15,967
Sponsor: Pennington Biomedical Research Center/NIH
Co-PI:
**Health Promotion, Education & Behavior**

**Cassady, Ann**  
GA: India Rose - 11540-JP28  
**Sponsor:** Blue Choice Health Plan  
**Co-PI:** Watkins, Ken  
1,257

GA: Marlie Floyd - 11540-LP31  
**Sponsor:** Lexington Medical Center - Health Directions  
**Co-PI:** Watkins, Ken  
7,500

GA: J. Chris Davis - 11540-LP32  
**Sponsor:** Palmetto Health - Office of Community Services  
**Co-PI:** Watkins, Ken  
2,850

GA: Keisha Hightower - 11540-LP33  
**Sponsor:** Lexington Medical Center-Health Directions  
**Co-PI:** Watkins, Ken  
7,500

**Health Services & Policy Research, Center for**

**Dauner, Kimberly**  
Evaluation Subcontract of Implementation of FoCaS Project in Orangeburg, SC - 11580-KL03  
**Sponsor:** American Cancer Society, South Atlantic Division, Inc.  
**Co-PI:** Gillam, Pamela  
6,900

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

**livet, melanie**  
Improving Disaster Behavioral Health Response following a Public Health Emergency or Disaster - 11500-FL11  
**Sponsor:** SC Department of Health & Environmental Control (DHEC)/HRSA  
**Co-PI:**  
25,000

**Research & Health Sciences, Vice President**

**Research, Vice President for - (General)**

**Boccanfuso, Anthony**  
Jadoo/Millennium Cell Project at Ft. Jackson - 22000-LQ00  
**Sponsor:** SCRA/Greater Columbia Fuel Cell Challenge  
**Co-PI:**  
40,000
Sponsored Awards Management (SAM)
February, 2007   New Awards

USC Aiken

USC Aiken
Rhodes, Lynne
National Writing Project Potential Site Funding Application - 17110-FL33 30,000
Sponsor: National Writing Project Corporation/USDE
Co-PI: Rhodes, Lynne

USC Salkehatchie

USC Salkehatchie
Carmichael, Ann
Salkehatchie Nursing Program BlueCross/BlueShield of SC - 17660-KL19 149,940
Sponsor: Western Carolina Higher Education Commission/ Blue Cross Blue Shield Fdn of SC
Co-PI:

USC Upstate

USC Upstate
Timonov, Alex
U.S. Army Research Laboratory and U.S. Army Research Office (ARO) grant 23,000
W911NF-05-0378 - 17880-FA09
Sponsor: University of North Carolina at Charlotte/ARO
Co-PI:

Report Total: $4,153,342