

# Sponsored Awards Management (SAM)

February, 2006 New Awards

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## Arts and Sciences, College of

### Archaeology & Anthropology, SC Institute of

Brooks, Mark

*Cultural Resource Management on the SRS - 21300-F110*

244,000

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

**Co-PI:**

### Baruch Institute

Davis, Braxton

*Carolinas Coast Project - 21600-FB08*

10,800

**Sponsor:** University of North Carolina/ONR

**Co-PI:** Fletcher, Madilyn Porter, Dwayne

### Biological Sciences

Hughes, Austin

*Evolution of Immune Recognition and Evasion - 13010-FA52*

154,373

**Sponsor:** National Institutes of Health (NIH)

**Co-PI:**

Raguso, Robert

*Collaborative Research: Detection, Perception and Utilization of Floral CO2 by Manduca Sexta - 13010-FA83*

9,510

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

**Co-PI:**

### Chemistry & Biochemistry

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*

18,495

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

**Co-PI:**

Murphy, Catherine

*Journal of Physical Chemistry Editorship - 13020-KL00*

2,605

**Sponsor:** American Chemical Society

**Co-PI:**

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**Myrick, Michael**

*Creation of a Web-Based MOE Design Studio for NIR Spectroscopy - 13020-FA65* 12,000

**Sponsor:** University of Tennessee/NSF

**Co-PI:**

**Shimizu, Ken**

*Synthetic Receptor-Based Biosensor With Enhanced Selectivity and Sensitivity - 13020-FB05* 23,000

**Sponsor:** InnoSense LLC/NASA

**Co-PI:**

**zur Loye, Hans-Conrad**

*Structural Investigations of Complex Oxides Using Synchrotron Radiation - 13020-FA60* 149,978

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

**Co-PI:**

**COBRE: Center for Colon Cancer Research**

**Berger, Franklin**

*Thymidylate Synthases: Modes of Catalysis and Inhibition - 13010-FA84* 3,000

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

**Co-PI:**

**Geological Sciences**

**Cohen, Arthur**

*Ground-Penetrating Radar Surveys in the Congaree National Park - 13040-FB11* 7,000

**Sponsor:** SC Department of Natural Resources/National Park Service

**Co-PI:** Knapp, Camelia

**Kellogg, James**

*GEGEO-Technical and Scientific Cooperation Between the National University of Equatorial Guinea and the University of South Carolina - 13040-LA02* 75,000

**Sponsor:** ExxonMobil Equatorial Guinea, Inc.

**Co-PI:** Knapp, James

**Knapp, Camelia**

*Project 1: The Use of Non-Invasive Geophysical Methods for Identifying Possible Karst Induced Stability Problems in Holcim Inc. Quarry Near Holly Hill, South Carolina - 13040-JA04* 9,955

**Sponsor:** Holcim, Inc.

**Co-PI:**

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**Voulgaris, George**

*Numerical Study of the Physical Conditions that Lead to Hypoxia Events in Long Bay, SC. - 13040-FB10* 82,732

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

**Co-PI:**

**Mathematics****Filaseta, Michael**

*Factoring Lacunary Polynomials and Galois Groups of Laguerre Polynomials - 13060-FA20* 51,052

**Sponsor:** National Security Agency (NSA)

**Co-PI:** Meade, Douglas

**Psychology****Booze, Rosemarie**

*HIV/Cocaine Neurotoxicity in Females - 13580-FA42* 126,628

**Sponsor:** National Institute on Drug Abuse (NIDA)/NIH

**Co-PI:** Mactutus, Charles Fadel, Jim Aksenov, Michael

**Prinz, Ron**

*Media-Based Programming to Enhance Parenting - 13580-FA28* 84,145

**Sponsor:** National Institute of Child Health & Human Development (NICHD)/HHS

**Co-PI:**

**Richards, John**

*Development of Sustained Attention in Infants - 13580-FA04* 253,988

**Sponsor:** National Institute of Child Health & Human Development (NICHD)/NIH

**Co-PI:**

**Business, Moore School of****Small Business Development Center****Lenti, John**

*SBDC - State Director's Office - 21250-FL28* 32,742

**Sponsor:** US Small Business Administration (SBA)

**Co-PI:**

*Small Business Development Center - USC - 21250-FL29* 53,269

**Sponsor:** US Small Business Administration (SBA)

**Co-PI:**

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## Education, College of

### Education

Seaman, Michael

*Coordination of the Centers for Ocean Sciences Education Excellence (COSEE)  
Network Evaluation - 15290-FA03* 66,352

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

**Co-PI:**

### Education Leadership & Policies

Lindsay, Sandra

*School Leaders Executive Institute - 15230-GL04* 6,000

**Sponsor:** SC Department of Education

**Co-PI:**

### Instruction & Teacher Education

Oglan, Victoria

*South Carolina Reading Initiative Middle Grades Phase I - 15250-GJ15* 5,000

**Sponsor:** SC Department of Education

**Co-PI:**

### Office of Program Evaluation

Yap, Ching Ching

*Standards-Based Arts Assessment in South Carolina: Music and Visual Arts  
Assessments for Distinguished Arts Programs (2005-2006)  
- 15290-GL16* 72,000

**Sponsor:** SC School Districts/SC Department of Education

**Co-PI:**

## Engineering & Information Technology, College of

### Chemical Engineering

Amiridis, Michael

*EPA Fellowship Award - 15510-FA78* 3,260

**Sponsor:** Environmental Protection Agency (EPA)

**Co-PI:**

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### Popov, Branko

*Development of a Capacity Fade Model for Li- ion Batteries: Demonstration of the Applicability of Li-ion Batteries for Space Applications - 15510-FA82* 25,659

**Sponsor:** College of Charleston/NASA

**Co-PI:**

*Development of Low Cost Bench Scale Coating Process for Preparation of GDL - 15510-JA43* 111,093

**Sponsor:** Fuji Photo Film, Inc.

**Co-PI:**

### Weidner, John

*Low Temperature Electrolytic Hydrogen Production via the Conversion of HBr to BR2 in the Modified Ca-Br Process - 15510-FA81* 65,000

**Sponsor:** Argonne National Laboratory/DOE

**Co-PI:**

*Mathematical Model of a Lithium Carbon-Monofluoride Battery - 15510-FA83* 25,000

**Sponsor:** Sandia National Laboratories/DOE

**Co-PI:**

### Computer Science & Engineering

#### Tang, Jijun

*Information Technology Research (ITR) Building the Tree of Life- A National Resource for Phyloinformatics and Computational Phylogenetics - 15590-FA34* 33,236

**Sponsor:** University of New Mexico/NSF

**Co-PI:**

### Mechanical Engineering

#### Giurgiutiu, Victor

*Fundamental Studies in Embedded Ultrasonic NDE - 15540-FA39* 54,000

**Sponsor:** Air Force Office of Scientific Research/DOD

**Co-PI:**

### Environment, School of the

#### Earth Sciences & Resources Institute

#### Kloot, Robin

*Common Web Scoring Tool and Hosting FY 2006 for NRCS in Georgia - 24400-FA05* 25,217

**Sponsor:** Natural Resources Conservation Service in Georgia/USDA

**Co-PI:** Kloot, Robin

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**Waddell, Michael**

*Project 1: The Use of Non-Invasive Geophysical Methods for Identifying Possible Karst Induced Stability Problems in Holcim Inc. Quarry Near Holly Hill, South Carolina - 24400-JA09* 79,697

**Sponsor:** Holcim, Inc.

**Co-PI:**

## **Environment, School of the**

**Coull, Bruce**

*Distinguished Lecturer in the Environment - 10060-KA00* 100,000

**Sponsor:** USC Education Foundation/SCANA & Rasmussen Foundation

**Co-PI:**

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

### **Hotel, Restaurant & Tourism Administration**

**Weaver, David**

*Travel Agency Research and Education Project: Identifying Characteristics and Challenges of Innovators and Developing Learning Programs for Aspiring Practitioners - 14050-KA00* 37,500

**Sponsor:** ASTA Foundation, Inc.

**Co-PI:**

## **Medicine, School of**

### **Cancer Center, South Carolina**

**Teas, Jane**

*Dietary Algae as a Modulator of Breast Cancer Metastases: An Exploratory Grant to Document Proof of Principle - 18300-KA18* 53,761

**Sponsor:** MUSC Hollings Cancer Center

**Co-PI:**

### **Cell & Developmental Biology & Anatomy**

**Janicki, Joseph**

*Cardiac Mast Cell: Role in Pathogenesis of Heart Failure - 18020-FA29* 114,408

**Sponsor:** National Heart, Lung & Blood Institute (NHLBI)/NIH

**Co-PI:**

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**Lessner, Susan**

*Pilot Project - 18020-FA34*

65,025

**Sponsor:** Medical University of South Carolina/NIH

**Co-PI:**

## **Family & Preventive Medicine**

**McDermott, Suzanne**

*Maternal Sexual Infections and Adverse Child Outcomes - 18130-FA08*

118,346

**Sponsor:** Bureau of Maternal and Child Health/HRSA

**Co-PI:** Mann, Joshua

## **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*

6,024

**Sponsor:** GlaxoSmithKline

**Co-PI:** Postic, Bosko Derajtys, Pat Jackson, Tonda

**Sy, Alexander**

*A Prospective, Randomized, Double-Blind, Placebo Controlled, Dose Ranging, Multi-Center Study of the Safety and Efficacy of Three Days Continuous Intravenous Infusion of GR270773 in the Treatment of Suspected or Confirmed Gram-Negative Severe Sepsis in Ad*

23,330

**Sponsor:** GlaxoSmithKline

**Co-PI:** Barker, James Elko, Lucinda

## **Medicine, School of - (Dean)**

**Faulkner, Larry**

*Integration of Physician Training and Biomedical Research in South Carolina - 18360-KJ02*

217,000

**Sponsor:** The Duke Endowment

**Co-PI:** Fowler, Stanley

## **Neuropsychiatry**

**Harding, Richard**

*South Carolina Department of Mental Health and University of South Carolina Huntington's Disease Genetic Counseling and Testing - 18120-GL06*

5,000

**Sponsor:** SC Department of Mental Health

**Co-PI:**

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**Hwang, Te-Long**

*PRoFESS-Prevention Regimen for Effectively Avoiding Second Stroke - 18120-JA01* 353

**Sponsor:** Boehringer Ingelheim Pharmaceuticals, Inc.

**Co-PI:**

**Pathology & Microbiology****Nagarkatti, Mitzi**

*Cytotoxic Lymphocytes in Acute Lung Injury - 18060-FA24* 226,359

**Sponsor:** National Institute of Allergy and Infectious Diseases (NIAID)/NIH

**Co-PI:** Nagarkatti, Prakash

**Wargovich, Michael**

*Cancer Prevention by West African Medicinal Plants - 18060-FA20* 3,723

**Sponsor:** National Institutes of Health (NIH)

**Co-PI:** Muga, Stephanie Nicheva, Daniela

**Pediatrics****Derrick, C.**

*Inpatient, Outpatient, and Consultative Services - 18140-GL21* 38,297

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

**Co-PI:**

**Ferrante, Richard**

*Medicaid Infrastructure Grant - 18140-FL50* 409,160

**Sponsor:** Bureau of Fiscal Affairs/SC Department of Health & Human Services/HHS

**Co-PI:**

**Neuberg, Ronnie**

*Children's Oncology Group/National Childhood Cancer Foundation - 18140-FA06* 9,224

**Sponsor:** National Childhood Cancer Foundation (NCCF)/NCI/NIH

**Co-PI:**

**Schwartz, I. David**

*Noroditropin National Registry Program - 18140-JA08* 4,850

**Sponsor:** Covance Periapproval Services, Inc.

**Co-PI:**

*"The GH Monitor" - The Clinical Registry for Growth Hormone Therapy - 18140-JA10* 2,450

**Sponsor:** Serono, Inc.

**Co-PI:**

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## Surgery

**Morrison, James**

*Linezolid in the Treatment of Subjects with Complicated Skin and Soft Tissue Infections Proven to be Due to a Methicillin- Resistant Staphylococcus Aureus - 18200-JA06* 5,856

**Sponsor:** Covance Periapproval Services/Pfizer Pharmaceuticals Group

**Co-PI:** Bynoe, Raymond Bell, Richard Nottingham, James

## Pharmacy, College of

### Basic Pharmaceutical Sciences

**Berger, Sondra**

*Thymidylate Synthases: Modes of Catalysis and Inhibition - 11110-FA18* 9,000

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

**Co-PI:**

*Influence of Nucleoside Transporters on the Response to Cancer Chemotherapy - 11110-FA24* 30,000

**Sponsor:** MUSC Hollings Cancer Center/ONR

**Co-PI:** Wyatt, Michael Gumina, Giuseppe Sweet, Douglas

*The Sphingosine Kinase 1/Sphingosine-1-phosphate Pathway as a New Target for Colon Cancer Chemoprevention - 11110-KA07* 4,988

**Sponsor:** MUSC Hollings Cancer Center

**Co-PI:**

**Hofseth, Lorne**

*Nitric Oxide Alters the Structure and Function of the Human BER Enzyme, MPG. - 11110-FA23* 30,000

**Sponsor:** MUSC Hollings Cancer Center/ONR

**Co-PI:** Wyatt, Michael

**Petkov, Georgi**

*Beta-adrenergic Relaxation of Urinary Bladder Smooth Muscle - 11110-FA25* 132,857

**Sponsor:** National Institute of Diabetes, Digestive, & Kidney Disease (NIDDK)/NIH

**Co-PI:**

**Smith, Eric**

*Carcinogen Penetration Enhancement in Respiratory Tract Tissue - 11110-KA08* 6,787

**Sponsor:** MUSC Hollings Cancer Center

**Co-PI:**

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## Palmetto Poison Center

Michels, Jill

SC DHEC Bioterrorism Project - 11140-FL03 183,990

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

**Co-PI:**

Reportable Disease Database Software - 11140-GL04 6,010

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

**Co-PI:**

## Public Health, Arnold School of

### Communication Sciences & Disorders

Healy, Eric

Mechanism Underlying the Across-Frequency Processing Deficit in Hearing Impaired Listeners - 11560-KA04 20,000

**Sponsor:** National Organization for Hearing Research (NOHR)

**Co-PI:**

### Environmental Health Sciences

Newman, Lee

Joint USC-Savannah River Ecology Laboratory Faculty - 11510-FA41 40,000

**Sponsor:** University of Georgia/DOE

**Co-PI:**

### Epidemiology & Biostatistics

Lawson, Andrew

Geographical Determinants of Prostate Cancer Progression in South Carolina - 11520-KA10 19,377

**Sponsor:** MUSC Hollings Cancer Center

**Co-PI:**

McKeown, Robert

Epidemiology of ADHD in Young Children - 11520-FA67 62,556

**Sponsor:** Centers for Disease Control (CDC)/HHS

**Co-PI:**

Heart, Soul, Mind and Strength Program - 11520-KA11 50,894

**Sponsor:** SC United Methodist Annual Conference (SCUMAC)/Duke Endowment Foundation

**Co-PI:**

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## Health Services & Policy Research, Center for

**Murday, David**

*Part D: The Traumatic Brain Injury Service Linkage Program Planning & Evaluation Assistance* 14,506  
- 11580-FA12

**Sponsor:** SC Department of Health and Environmental Control/HHS

**Co-PI:**

## Health Services Policy and Management

**Elder, Keith**

*Evaluate the Cost Effectiveness of Strengths Based Management to Link Human Immunodeficiency Virus (HIV) Infected Participants to Clinical Care in South Carolina* 12,537  
- 11550-FA10

**Sponsor:** SC Department of Health and Environmental Control/CDC

**Co-PI:**

**Martin, Amy**

*Evaluation Consultation Services for the Clemson EXPORT Project* - 11550-FA11 3,000

**Sponsor:** Clemson University/NIH

**Co-PI:**

## Research & Health Sciences, Vice President

### Families in Society, Institute for

**Flerx, Vicki**

*Bullying Prevention Program Dissemination* - 10010-LL00 25,685

**Sponsor:** Clemson University

**Co-PI:**

### Hydrogen Fuel Cell Research, Institute for

**Van Zee, John**

*I/UCRC Fuel Cell Center - Operating Account* - 15510-JA11 109,375

**Sponsor:** Various Sponsors

**Co-PI:**

## USC Aiken

### USC Aiken

**Botsch, Robert**

*Identification of Graniteville Residents for Medical Screening Project* - 17110-GA00 29,199

**Sponsor:** SC Department of Health and Environmental Control (DHEC)

**Co-PI:**

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**Hanlin, Hugh**

*Response of Herpetofauna to Carolina Bay Restoration - 17110-FA15* 500

**Sponsor:** Forest Service-Savannah River/USDA

**Co-PI:**

## USC Upstate

### USC Upstate

**Ferrell, Jim**

*Palmetto Professorship - 17880-K128* 5,000

**Sponsor:** Carolina Piedmont Foundation

**Co-PI:**

**Hightower, Mary**

*Advanced Placement Institute for Studio Art 2006 - 17880-GJ05* 16,476

**Sponsor:** SC Department of Education

**Co-PI:**

**Pae, Holly**

*Project CREATE - 17880-FJ14* 53,079

**Sponsor:** SC Commission on Higher Education/USDE

**Co-PI:**

**Randolph, Linda**

*Child Care Access Means Parents in School (CCAMPIS) - 17880-FL58* 44,522

**Sponsor:** US Department of Education (USDE)

**Co-PI:**

**Turner, Jack**

*Watershed Ecology Center Education Program - 17880-KL00* 35,000

**Sponsor:** Carolina Piedmont Foundation

**Co-PI:**

**Report Total: \$4,364,748**