Arts and Sciences, College of

**Anthropology**

Casey, Joanna  
GA: Romel Lacson - 13590-GP02  
**Sponsor:** SC Department of Health & Environmental Control (DHEC)  
**Co-PI:** Leatherman, Thomas

**Archaeology & Anthropology, SC Institute of**

Brooks, Mark  
*Cultural Resource Management on the SRS* - 21300-F110  
**Sponsor:** US Department of Energy (DOE)  
**Co-PI:**

Clement, Christopher  
*Evaluation of 27 Sites at Ft. Jackson* - 21300-FA16  
**Sponsor:** US Army Medical Research ACQ Activity/DOD  
**Co-PI:**

**Initial Archaeological Testing at Oconee Town** - 21300-HA02  
**Sponsor:** Oconee County, SC  
**Co-PI:**

**Baruch Institute**

Smith, Erik  
*South Carolina CIDEEP Integration Effort* - 21600-FB50  
**Sponsor:** SC Sea Grant Consortium/NOAA  
**Co-PI:**

**Biological Sciences**

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

Stratmann, Johannes  
*Role of the COP9 Signalosome and its Subunit CSN5 for Regulation of MAPK Pathways and Defense Responses in Tomato.* - 13010-FB40  
**Sponsor:** National Science Foundation (NSF)  
**Co-PI:**
**Chemistry & Biochemistry**

Angel, S.

*Remote Detection of High Explosive Vapors/Residues using Micro-Impulse Radar with Selective Multiphoton Laser Ionization and Sample Ablation (Micro-Impulse REMPI RADAR) - 13020-FB45*

Sponsor: Office of Naval Research (ONR)

Co-PI:

**Brewer, William**

*Rapid Analysis of Pesticides in Food Products and Drugs and Metabolites in Urine - 13020-JA15*

Sponsor: DPX Labs, LLC

Co-PI:

**Dawson, John**

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

Sponsor: Elsevier Science, Inc.

Co-PI:

**Ferry, John**

*Oxidant Generation During Fe(II) Oxidation in the Mixing Zone of Subterranean Estuaries: An Integrated Laboratory and Field Study. - 13020-FB46*

Sponsor: National Science Foundation (NSF)

Co-PI: Shaw, Timothy

**Lebioda, Lukasz**

*Thymidylate Synthases: Modes of Catalysis and Inhibition - 13020-FA77*

Sponsor: National Cancer Institute (NCI)/NIH

Co-PI:

**Vogt, Thomas**

*Ometric Research Services - 22040-JA00*

Sponsor: Ometric Corporation

Co-PI:

**Earth Sciences & Resources Institute**

**Kloot, Robin**

*Assessment Matrix Development, Rapid Watershed Updates, and Technical Development/Support - 24400-FA12*

Sponsor: Natural Resources Conservation Service (NRCS)/USDA

Co-PI: Kloot, Robin
### Sponsored Awards Management (SAM)

**February, 2008  New Awards**

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Co-PI</th>
<th>Project Title</th>
<th>Sponsorship</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Shafer, John</td>
<td></td>
<td>Technical Support for Aquifer Dewatering Operation and Assessment at the Holcim, Inc. Quarry at Holly Hill, South Carolina - 24400-JA14</td>
<td>Holcim US, Inc.</td>
<td>73,600</td>
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<td>Cutter, Susan</td>
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<td>Natural and Human-Induced Disasters and other Factors Affecting Future Emergency Response and Hazard Management: An Outlook Paper - 13540-FA47</td>
<td>Camp Dresser &amp; McKee/US Army Corps of Engineers/DOD</td>
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<td>Guo, Diansheng</td>
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<td>CAREER: Extracting and Understanding Complex Patterns in Spatial Interactions-A Computational-Visual Framework - 13540-FA54</td>
<td>National Science Foundation (NSF)</td>
<td>65,453</td>
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<td>Bulusu, Subrahmanyam</td>
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<td>Satellite Data Analysis of Low-Frequency Indian Ocean Climate Variability - 13040-FB12</td>
<td>National Aeronautics &amp; Space Administration (NASA)</td>
<td>83,220</td>
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<td>Styles, Richard</td>
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<td>In Situ Validation of a HF Coastal Radar - 13040-FB43</td>
<td>Skidaway Institute of Oceanography/SC Sea Grant Consortium/NOAA</td>
<td>15,000</td>
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<td>Thunell, Robert</td>
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<td>Sediment Trapping in the Gulf of Mexico - 13040-FB44</td>
<td>US Geological Survey (USGS)/DOI</td>
<td>24,801</td>
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<td>Lekan, Thomas</td>
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<td>Southeast German Studies Consortium: First Annual Workshop, March 6-7, 2008 - 21900-KA02</td>
<td>German Academic Exchange Service (DAAD)</td>
<td>5,300</td>
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</table>
Public Service & Policy Research, Institute for
Oldendick, Robert
Targeting Mass Media Interventions for Risky Sexual Behavior - 21100-FL24 133,938
Sponsor: University of Kentucky Research Foundation/NIH
Co-PI:

BRFSS Cell Phone Survey - 21100-FL25 15,000
Sponsor: SC Department of Health & Environmental Control (DHEC)/CDC
Co-PI:

Education, College of
Instruction & Teacher Education
Freeman, Nancy
Improve the Quality of Childcare for South Carolina Families Extension Number Three/Amendment Number Four - 15250-FJ25 1,000
Sponsor: SC Department of Social Services/HHS
Co-PI:

Office of Program Evaluation
Dickenson, Tammie
Proposal for Evaluation of the OAASIS Project - 15290-FL09 10,000
Sponsor: SC Department of Education/USDE
Co-PI:

Fisher, Steven
Evaluation of the TRIAAD Project - 15290-FL10 60,000
Sponsor: SC State Department of Education/USDE
Co-PI:

Yap, Ching Ching
Arts in Education Research Project II (Year 8) - ABC - 15290-GL31 16,000
Sponsor: Winthrop University
Co-PI:
Engineering & Computing, College of

**Chemical Engineering**

Gadala-Maria, Francis

*Plan to Increase the Number of Minority Ph.D. Graduates from the Department of Chemical Engineering at USC - 15510-KJ00*

**Sponsor:** Alfred P. Sloan Foundation/NACME

Co-PI:

**Jabbari, Esmaiel**

*Role of BMP-2 Peptide Grafted Poly(Lactide) In Cranial Regeneration - 15510-KA39*

**Sponsor:** Oral and Maxillofacial Surgery Foundation

Co-PI:

**Matthews, Michael**

*Sterilization of Tissue Engineering Scaffolds - 15510-GA11*

**Sponsor:** SC EPSCoR-IDEA Program

Co-PI: Carver, Wayne Yost, Michael

**Ritter, James**

*Evaluation of Medical Oxygen PSA Technology for International Space Station Applications - 15510-FB29*

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

Co-PI: Ebner, Armin

**Van Zee, John**

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

**Sponsor:** Various Sponsors

Co-PI: Amiridis, Michael

**Civil & Environmental Engineering**

Cetin, Mecit

*Assessment of the Needs of Freight Carriers to Support the Statewide Logistics Plan for North Carolina - 15520-LA02*

**Sponsor:** North Carolina State University/NC State Office of Budget and Management

Co-PI: Teel, Sandra

**Chaudhry, M.**

*Investigations on Levee Breach Closure Procedures - 15520-FA60*

**Sponsor:** University of Mississippi/DHS

Co-PI:
Flora, Joseph
Mercury Speciation in Coal Fired Power Plant Flue Gas - Experimental Studies and Model Development - 15520-FA40
Sponsor: University of Pittsburgh/DOE
Co-PI:

Monitoring Needs and Impact Assessment Study for Richland County - 15520-HA04
Sponsor: Richland County
Co-PI: Goodall, Jonathan

Goodall, Jonathan
Geoinformatics: CUAHSI Hydrologic Information Systems - 15520-FA53
Sponsor: Univ of Texas at Austin/NSF
Co-PI:

Rizos, Dimitris
Vanadium Steel Non-Standard (not a standard military bridge set) Fixed Bridge Case Study Proposal - 15520-FA36
Sponsor: Advanced Technology Institute/DOD
Co-PI: Ziehl, Paul Harrison, Kenneth

Electrical Engineering
Dougal, Roger
Power Electronics, Architecture, Controls, and Design Tools for Electric Ship Systems - 15530-FA74
Sponsor: Florida State University/ONR
Co-PI: Monti, Antonello Santi, Enrico Shin, Yong-June Ponci, Ferdinanda

Mechanical Engineering
Chao, Yuh
To Perform Hydrogen Transport Transient and State Analysis & Specimen Feasibility Analysis and Design
- 15540-FA94
Sponsor: SC Universities Research & Education Foundation (SCUREF)/WSRC/DOE
Co-PI:

Giurgiutiu, Victor
REU Supplement: Predictive Methodologies for the Design of Lamb-Wave Piezoelectric Wafer Active Sensors for Structural Health Monitoring - 15540-FA95
Sponsor: National Science Foundation (NSF)
Co-PI:
Reynolds, Anthony  
_FSP I/UCRC Operation Account_ - 15540-JA21  
_Sponsor:_ Various Sponsors  
_Co-PI:_  

Rocheleau, David  
Research and Development using Blow-Fill-Seal Plastic Manufacturing Technology - 15540-JA41  
_Sponsor:_ Holopack International  
_Co-PI:_  

Yu, Lingyu  
Contributions to Assessment of Existing Vibration Analysis and Fleet Management Software - 15540-JA42  
_Sponsor:_ VG-Consult, LLC  
_Co-PI:_  

Law, School of  

Law, School of  
Morris, Carolyn  
Juvenile Detention - 15810-FL08  
_Sponsor:_ SC Department of Juvenile Justice/DOJ  
_Co-PI:_  

Medicine, School of  

Internal Medicine  
Albrecht, Helmut  
_A Multicenter, Open-label, Controlled Phase II Study to Evaluate Safety and Immuneogenicity 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:_  

Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Two-Stage Study to Assess the Efficacy and Safety of Crofelemer 125mg, 250 mg, and 500 mg Orally Twice Daily for the Treatment of HIV Associated Diarrhea (ADVENT Trial) - 18190-JA40  
_Sponsor:_ Napo Pharmaceuticals, Inc.  
_Co-PI:_ Ahuja, Divya Horvath, Joseph Duffus, Wayne
<table>
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<th>Co-PI:</th>
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<td>Bryan, Charles</td>
<td>7,500</td>
<td>USC School of Medicine Educ. Trust/PHA</td>
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<td>Eleazer, Paul</td>
<td>8,786</td>
<td>Palmetto Health Alliance</td>
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<td>Horvath, Joseph</td>
<td>1,200</td>
<td>Bristol-Myers Squibb Company/PPD Development, LP</td>
<td>Talwani, Rohit Postic, Bosko Elko, Lucinda</td>
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<td>Actelion Pharmaceuticals</td>
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<td>Neuropsychiatry</td>
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<td>Canadian Institutes of Health Research (CIHR)</td>
<td>Gregg, Anthony</td>
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<td>Patton, Jeffrey</td>
<td>Cedars-Sinai Medical Center/NIH</td>
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<td>Rehabilitation Services Administration/USDE</td>
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<td>Holleman, Robert</td>
<td>University of North Carolina at Chapel Hill/NIH</td>
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<td>Neuberg, Ronnie</td>
<td>National Childhood Cancer Foundation (NCCF)/NCI/NIH</td>
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<td>Schwartz, I. David</td>
<td>The George Washington University/NIH</td>
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<td>&quot;The GH Monitor&quot; - The Clinical Registry for Growth Hormone Therapy</td>
<td>Serono, Inc.</td>
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**Pharmacology, Physiology & Neuroscience**  
Reagan, Lawrence  
*Insulin and CNS Control of Body Weight* - 18080-FA14  
**Sponsor:** University of Cincinnati/NIH  
**Co-PI:**

Pharmacy, SC College of  
**Pharmaceutical and Biomedical Sciences**  
Mcinnes, Campbell  
*Discovery of inhibitors of the Polo-Box Domain of Plk1 using REPLACE* - 11110-KA14  
**Sponsor:** MUSC Hollings Cancer Center/American Cancer Society  
**Co-PI:**

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

**Pharmacy - (Dean)**  
Rowen, Randall  
*PHR Clinical Pharmacy Service Agreement* - 11150-LL03  
**Sponsor:** Palmetto Health Richland  
**Co-PI:** Voris, John

**Public Health, Arnold School of**  
**Communication Sciences & Disorders**  
Deliyski, Dimitar  
*Efficacy of Laryngeal High-Speed Videoendoscopy* - 11560-FA04  
**Sponsor:** National Institute of Deafness & Other Communication Disorders (NIDCD)/NIH  
**Co-PI:** Petrushev, Pencho Martin-Harris, Bonnie

**Environmental Health Sciences**  
Chandler, G. Thomas  
*OECD Interlaboratory Validation of a Harpacticoid Copepod Development and Reproduction Test using Amphiascus Tenuiremis* - 11510-FL01  
**Sponsor:** Environmental Protection Agency (EPA)  
**Co-PI:**
**Epidemiology & Biostatistics**

Hussey, James  
**GA:** Junlong Wu  -  11520-GP44  
**Sponsor:** SC Department of Health & Environmental Control (DHEC)  
**Co-PI:**  
8,300

Liese, Angela  
**SEARCH for Diabetes in Youth 2: South Carolina Center**  -  11590-FA25  
**Sponsor:** University of North Carolina at Chapel Hill/CDC  
**Co-PI:**  
100,000

Liu, Jihong  
**Long-term Effect of Social Environments on Activity Patterns and Overweight among U.S. Adolescents**  -  11590-FA24  
**Sponsor:** Health Resources & Services Administration (HRSA)/HHS  
**Co-PI:**  
99,932

**Exercise Science**

Blair, Steven  
**Physical Activity and Childhood Obesity (sub-contract)**  -  11530-FA46  
**Sponsor:** University of Bristol/NIH  
**Co-PI:** Pate, Russ  
42,706

**Health Promotion, Education & Behavior**

Thrasher, James  
**Material Development and Capacity Building for Tobacco Policy Media Advocacy in Mexico**  -  11540-KA12  
**Sponsor:** Instituto Nacional De Salud Publica (INSP)  
**Co-PI:**  
14,325

**Health Services Policy and Management**

Glover, Saundra  
**Fieldstone Alliance Action Lab**  -  22070-KL03  
**Sponsor:** Fieldstone Alliance Inc./W.K. Kellogg Fdn.  
**Co-PI:**  
750
Probst, Janice
GA: Bryant Nelson  -  11550-JP79
  
  Sponsor: Ortmann Healthcare Consultants
  Co-PI:

GA: Josh Dixon  -  11550-JP80
  
  Sponsor: Ortmann Healthcare Consultants
  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**

_Cancer Prevention Control Program_

Puett, Robin

_Heart Disease, Inflammatory Markers and Particulates_  -  22080-FA18

  
  Sponsor: Harvard School of Public Health/NHLBI
  Co-PI:

_Families in Society, Institute for_

Luckey, Irene

_J. Marion Sims:Lancaster Fatherhood Project - Health Access_  -  10010-KA09

  
  Sponsor: SC Center for Fathers and Families/J. Marion Sims
  Co-PI:

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

Boccanfuso, Anthony

_Strategic Support for the Univeristy Industry Demonstration Partnership_  -  15500-FA08

  
  Sponsor: National Academy of Sciences
  Co-PI:
Social Work, College of

Flynn, Cynthia

*Interpreter Qualification Project for Head Start* - 15900-FL37

**Sponsor:** South Carolina Head Start Collaboration Office/HHS

**Co-PI:**

USC Aiken

Fetterolf, Monty

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

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

**Co-PI:** Pariyadath, Kutty

Harmon, Sarah

*MOL Toxicity Study* - 17110-FA21

**Sponsor:** University of Georgia/DOE

**Co-PI:**

Priest, Jeffrey

*Advance Placement 2008 Summer Teacher Institute for Chemistry, Biology, Spanish and English* - 17110-GJ12

**Sponsor:** SC Department of Education

**Co-PI:**

USC Beaufort

Pulaski, Melanie

*EIA Centers of Excellence Mini-Grants* - 17210-GL00

**Sponsor:** SC Commission on Higher Education

**Co-PI:**
Sponsored Awards Management (SAM)
February, 2008   New Awards

USC Upstate

USC Upstate
Bradshaw, York
Healthy Living Initiative  -  17880-KL16  200,000
  Sponsor: Carolina Piedmont Foundation and ReGenesis Community Health Center
  Co-PI:

From, Heidi
Family Daycare Homes Sponsorship 2007-08  -  17880-FL70  10,132
  Sponsor: SC Department of Social Services/USDA
  Co-PI:

Frye, Carolyn
Upward Bound 2007-08  -  17880-FL71  285,915
  Sponsor: US Department of Education (USDE)
  Co-PI:

Mounce, Amy
Teacher Cadet Grant  -  17880-G206  4,919
  Sponsor: SC Center for Teacher Recruitment
  Co-PI:

van Delden, Sebastian
BMW Manufacturing Research Project  -  17880-JA00  14,530
  Sponsor: Carolina Piedmont Foundation/BMW
  Co-PI: Chow, Rick   Zhong, Wei   Li, Frank

Report Total: $5,724,464