<table>
<thead>
<tr>
<th>Arts and Sciences, College of</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Archaeology &amp; Anthropology, SC Institute of</strong></td>
<td></td>
</tr>
<tr>
<td>Brooks, Mark</td>
<td></td>
</tr>
<tr>
<td><em>Cultural Resource Management on the SRS - (21300-F110)</em></td>
<td>350,000</td>
</tr>
<tr>
<td><strong>Sponsor:</strong> US Department of Energy (DOE)</td>
<td></td>
</tr>
<tr>
<td><strong>Co-PI:</strong></td>
<td></td>
</tr>
<tr>
<td>Smith, Steven</td>
<td></td>
</tr>
<tr>
<td><em>Preparation of an Integrated Cultural Resources Management Plan (ICRMP) and EA for Fort Jackson, SC - (21300-FA25)</em></td>
<td>16,784</td>
</tr>
<tr>
<td><strong>Sponsor:</strong> US Army Fort Detrick, MD/DOD</td>
<td></td>
</tr>
<tr>
<td><strong>Co-PI:</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Art</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Berry, Karla</td>
<td></td>
</tr>
<tr>
<td><em>Cultural Council Grant - (12510-HA00)</em></td>
<td>1,000</td>
</tr>
<tr>
<td><strong>Sponsor:</strong> Cultural Council of Richland and Lexington Counties</td>
<td></td>
</tr>
<tr>
<td><strong>Co-PI:</strong> Shaiman, Jason</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Biological Sciences</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Benner, Ronald</td>
<td></td>
</tr>
<tr>
<td><em>Collaborative Research: Biogeochemical Cycling of Particulate and Dissolved Organic Matter in the Arctic Ocean Using Molecular Markers - (13010-FA27)</em></td>
<td>102,270</td>
</tr>
<tr>
<td><strong>Sponsor:</strong> National Science Foundation (NSF)</td>
<td></td>
</tr>
<tr>
<td><strong>Co-PI:</strong></td>
<td></td>
</tr>
<tr>
<td>Connolly, Erin</td>
<td></td>
</tr>
<tr>
<td><em>Functional Analysis of the Arabidopsis Nicotianamine Synthase - (13010-FA54)</em></td>
<td>15,000</td>
</tr>
<tr>
<td><strong>Sponsor:</strong> National Center for Research Resources (NCRR)/NIH</td>
<td></td>
</tr>
<tr>
<td><strong>Co-PI:</strong></td>
<td></td>
</tr>
<tr>
<td>Raguso, Robert</td>
<td></td>
</tr>
<tr>
<td><em>Collaborative Research: Detection, Perception and Utilization of Floral CO2 by Manduca Sexta - (13010-FA83)</em></td>
<td>69,849</td>
</tr>
<tr>
<td><strong>Sponsor:</strong> National Science Foundation (NSF)</td>
<td></td>
</tr>
<tr>
<td><strong>Co-PI:</strong></td>
<td></td>
</tr>
<tr>
<td>Stratmann, Johannes</td>
<td></td>
</tr>
<tr>
<td><em>Characterization of Systemin-Responsive MAP Kinase Cascades - (13010-FA58)</em></td>
<td>13,115</td>
</tr>
<tr>
<td><strong>Sponsor:</strong> National Science Foundation (NSF)</td>
<td></td>
</tr>
<tr>
<td><strong>Co-PI:</strong></td>
<td></td>
</tr>
</tbody>
</table>
**Chemistry & Biochemistry**
Dawson, John

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

**Sponsor:** Elsevier Science, Inc.

**Co-PI:**

Ferry, John

*Phytodegradation and Photodegradation of Nitroamine Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) - (13020-FA78)*

**Sponsor:** US Army Corps of Engineers/ Cold Regions Research and Environmental Laboratories/DOD

**Co-PI:**

Shaw, Timothy

*Collaborative Research: Culturing Studies of Environmental Controls on Benthic Foraminiferal Shell Chemistry - (13020-FA76)*

**Sponsor:** Woods Hole Oceanographic Institute/NSF

**Co-PI:** Chandler, G. Thomas

Thorpe, Suzanne

*Analytical Biochemistry Core for Optimizing Preventative Therapy for Diabetic Complications: Identifying Specific Mechanisms of Reactive Oxygen Specific Generation - (13020-KA13)*

**Sponsor:** Albert Einstein College of Medicine of Yeshiva University/JDRF

**Co-PI:**

Wang, Qian

*MURI: Bio-Directed Hierarchical Assembly of Multifunctional Materials - (13020-FA68)*

**Sponsor:** University of Massachusetts/ARO

**Co-PI:**

**COBRE: Center for Colon Cancer Research**
Berger, Franklin

*Genetics of the Hepatic Acute Phase Response - (13010-FA30)*

**Sponsor:** Health Research, Inc./NIH

**Co-PI:**

**Geography**
Cowen, David

*SC National Guard Work Experience - (13540-GP10)*

**Sponsor:** SC National Guard

**Co-PI:**
Sponsored Awards Management (SAM)
January, 2005   New Awards

Geological Sciences
Kellogg, James
Editorship of Elsevier Science Ltd: Journal of South American Earth Sciences - (13040-J400) 5,200
Sponsor: Elsevier Science, Ltd.
Co-PI:

GEGEO-Technical and Scientific Cooperation Between the National University of Equatorial Guinea and the University of South Carolina - (13040-LA02) 125,000
Sponsor: ExxonMobil Equatorial Guinea, Inc.
Co-PI: Knapp, James

Talwani, Pradeep
South Carolina Seismic Monitoring Network - (13040-FA45) 87,500
Sponsor: SC Universities Research and Education Foundation (SCUREF)/WSRC/DOE
Co-PI:

History
Weyeneth, Robert
GA: Jody Graichen - (13550-GP32) 5,000
Sponsor: SC Department of Archives & History
Co-PI:

GA: SC Department of Archives and History - (13550-GP34) 5,000
Sponsor: SC Department of Archives & History
Co-PI: Grier, Katherine

GA: Beth Wiedower - (13550-JP17) 7,070
Sponsor: Columbia Development Corporation
Co-PI:

Mathematics
Johnson, George
Project MET (Mathematics for Elementary Teachers) - (13060-FA19) 74,921
Sponsor: National Science Foundation (NSF)
Co-PI: Geddings, Debra O'Leary, Mary

Page 3
McKissick Museum
Shaiman, Jason
Off the Stage & Onto the Wall: The Evolution of a Ballet - (34000-FA07) 1,200
Sponsor: The Humanities Council SC/NEH
Co-PI:

Physics & Astronomy
Johnson, Joseph
IRIS Infrastructure Support - (13070-FA50) 8,000
Sponsor: SC Emergency Management Division
Co-PI:

IRIS-Web EOC Integration: Phase Two - (13070-FA51) 12,400
Sponsor: SC Emergency Management Division
Co-PI:

IRIS Migration Project - (13070-GA12) 8,000
Sponsor: Emergency Management Division
Co-PI:

Political Science
Tyer, Charlie
GA: Edward Waller - (13570-HP12) 4,862
Sponsor: Richland County Department of Public Works
Co-PI:

Psychology
Prinz, Ron
Media-Based Programming to Enhance Parenting - (13580-FA28) 467,175
Sponsor: National Institute of Child Health & Human Development (NICHD)/HHS
Co-PI:
Public Service & Policy Research, Institute for
Oldendick, Robert
Behavioral Risk Factor Surveillance System - (21100-FA14) 5,000
Sponsor: SC Department of Health & Environmental Control (DHEC)
Co-PI:

Evaluation of Research Activities for the Advanced Performance Outcome Measures Project - (21100-FL15) 12,500
Sponsor: SC Office of the Lieutenant Governor /Office on Aging
Co-PI:

Statistics
Habing, Brian
2005 Advanced Placement Teacher Institute in Statistics - (13080-GJ04) 15,728
Sponsor: SC Department of Education
Co-PI:

Research in the Modeling of Sales and Marketing Data - (13080-JP05) 7,399
Sponsor: Arcadia Analytics, LLC
Co-PI:

Education, College of

Education
Gredler, Margaret
Evaluation of the Special Education State Improvement Grant Implementation - (15290-FA01) 84,122
Sponsor: SC Department of Education/USDE
Co-PI:

Michaels, David
SCRI/SCRF Data Warehouse - (15200-FL02) 247,656
Sponsor: SC Department of Education
Co-PI:

Educational Studies, Department of
Drasgow, Erik
Establishing the 3 R’s - (15240-FA01) 43,488
Sponsor: University of Illinois/USDE
Co-PI:
**Sponsored Awards Management (SAM)**

**January, 2005  New Awards**

---

**Instruction & Teacher Education**

Freeman, Nancy  
*Final High/Scope 4K Evaluation* - (15250-JL01)  
5,000

**Sponsor:** High/Scope Foundation for SC First Steps  
**Co-PI:**

---

Singer, Jonathan  
*Professional Development Threading Content, Pedagogy and Curriculum:*  
A study of classroom impact  
- (15250-FA09)  
8,000

**Sponsor:** National Science Foundation (NSF)  
**Co-PI:** Timmerman, Briana  
Feller, Robert  

---

Virtue, David  
*USC Middle Level Course Redevelopment* - (15250-FL18)  
5,000

**Sponsor:** SC Department of Education/USDE  
**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 (2004-2005)  
- (15290-GL10)  
5,000

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

---

**Engineering & Information Technology, College of**

**Chemical Engineering**

Ritter, James  
*Heat Transfer and Modeling of Next Generation Metal Hydride Beds* - (15510-FA55)  
40,872

**Sponsor:** SC Universities Research and Education Foundation (SCUREF)/WSRC/DOE  
**Co-PI:** Ebner, Armin  

---

**Computer Science & Engineering**

Huhns, Michael  
*Collaborative Database Research for Vehicle Management* - (15590-GP20)  
18,650

**Sponsor:** Budget and Control Board/State Fleet Management Division of General Services  
**Co-PI:**
Nelakuditi, Srihari  
*CAREER: Disruption Tolerant Routing in Wired and Wireless Networks*  -  (15590-FA27)  
*Sponsor:* National Science Foundation (NSF)  
*Co-PI:*  

Electrical Engineering  
Dougal, Roger  
*USC Participants in Electric Ship Research and Development Consortium*  -  (15530-FA17)  
*Sponsor:* Florida State University/ONR/DOD  
*Co-PI:*  

Monti, Antonello  
*Frequency-Agile Wide-Bandwidth Power Interface to Support Incremental Virtual Prototyping*  -  (15530-FA27)  
*Sponsor:* Office of Naval Research (ONR)/DOD  
*Co-PI:* Hudgins, Jerry  
Dougal, Roger  

Giurgiutiu, Victor  
*Fundamental Studies in Embedded Ultrasonic NDE*  -  (15540-FA39)  
*Sponsor:* Air Force Office of Scientific Research/DOD  
*Co-PI:*  

Mechanical Engineering  

USC Contribution to the Virginia Tech Project on High Energy Density Nastic Structures using Biological Transport Mechanism  -  (15540-FA52)  
*Sponsor:* Virginia Tech/ARO/DARPA/DOD  
*Co-PI:*  

Boeing PWAS SHM Test  -  (15540-JA23)  
*Sponsor:* Boeing Corporation  
*Co-PI:*
Environment, School of the Earth Sciences & Resources Institute
Kloot, Robin

Natural Resources Conservation and Decision Support Systems - (24400-F144)

Sponsor: National Resources Conservation Service/USDA
Co-PI: Shafer, John

848,160

Law Enforcement & Safety

Law Enforcement & Safety
Huggins, Derrick

USC Ethanol Infrastructure Installation - (66000-FQ00)

Sponsor: SC Energy Office/DOE

23,030

Medicine, School of Cell & Developmental Biology & Anatomy
Goldsmith, Edie

Role of Discoidin Domain Receptor 2 in Valvulogenesis - (18020-FA17)

Sponsor: National Institutes of Health (NIH)/HHS
Co-PI: Potts, Jay

344,899

Internal Medicine
Bryan, Charles

Perinatal HIV Prevention Services - (18190-FL23)

Sponsor: SC Department of Health & Environmental Control (DHEC)/CDC
Co-PI:

33,492

Center for Bioethics - (21100-L102)

Sponsor: USC School of Medicine Educ. Trust/Palmetto Health Alliance
Co-PI:

55,000


**Internal Medicine**

Lin, Tu

A Randomized Comparator, Controlled, Double-Blinded Study of the Pioglitazone HCI versus Glyburide with Metformin and Insulin as Part of Step Therapy in Subjects with Type 2 (Non-Insulin Dependent) Diabetes - (18190-JA02)

Sponsor: Ingenix Pharmaceutical Services  
Co-PI:

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 - (18190-JA21)

Sponsor: GlaxoSmithKline  
Co-PI: Barker, James  
Elko, Lucinda

**Neuropsychiatry**

Hwang, Te-Long

PRoFESS-Prevention Regimen for Effectively Avoiding Second Stroke - (18120-JA01)

Sponsor: Boehringer Ingelheim Pharmaceuticals, Inc.  
Co-PI:

**Obstetrics & Gynecology**

Best, Robert

Establishment of a Resource for the Identification of Genetic and Environmental Factors Involved in the Development of Anencephaly - (18110-FA00)

Sponsor: Integrated Laboratory Systems/NIH  
Co-PI:
Obstetrics & Gynecology

Gregg, Anthony

A Mouse Model of Abnormal Parturition - (18110-FA01)  69,500

Sponsor: National Institute of Child Health and Human Development/NIH
Co-PI:

Nursing, College of

Nursing

Adkins, Alice

2004-2005 SC AHEC ACBE - (11200-GJ00)  9,000

Sponsor: SC Area Health Education Centers (AHEC)
Co-PI:

Pharmacy, College of

Palmetto Poison Center

Michels, Jill

SC DHEC Bioterrorism Project - (11140-FL03)  164,000

Sponsor: SC Department of Health & Environmental Control (DHEC)/CDC
Co-PI:

Public Health, Arnold School of

Environmental Health Sciences

Feigley, Charles

Graduate Student Work Experience Agreement for Kay Babbitt - (11510-JP02)  18,000

Sponsor: Albemarle Corporation
Co-PI:

Newman, Lee

Phytodegradation and Photodegradation of Nitroamine Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) - (11510-FA89)  66,331

Sponsor: US Army Corps of Engineers/ Cold Regions Research and Environmental Laboratories/DOD
Co-PI: Ferry, John
Sponsored Awards Management (SAM)
January, 2005   New Awards

**Epidemiology & Biostatistics**
McKeown, Robert
GA: Yanping Teng  - (11520-GP21)  5,303
   **Sponsor:** SC Department of Health and Environmental Control
   **Co-PI:**

Heart, Soul, Mind and Strength Program  - (11520-KA03)  71,821
   **Sponsor:** SCUMAC/Duke Endowment
   **Co-PI:**

**Exercise Science**
Pate, Russ
Physical Activity in Preschool Children (parent grant, supplement 1, supplement 2)  40,000
   - (11530-FA11)
   **Sponsor:** National Inst. of Child Health & Human Development (NICHD)/NIH
   **Co-PI:**

Physical Activity in Preschool Children (parent grant, supplement 1, supplement 2)  10,000
   - (11530-FA18)
   **Sponsor:** National Inst. of Child Health & Human Development (NICHD)/NIH
   **Co-PI:** Williams, Harriett

Physical Activity in Preschool Children (parent grant, supplement 1, supplement 2)  10,000
   - (11530-FA22)
   **Sponsor:** National Inst. of Child Health & Human Development (NICHD)/NIH
   **Co-PI:**

**Health Services & Policy Research, Center for**
Leith, Katherine
DHEC Lead Elimination Project Planning and Facilitation  - (11580-FL10)  31,133
   **Sponsor:** SC Department of Health and Environmental Control/CDC
   **Co-PI:**

Woods, John
Center for Health Services and Policy Research  - (11580-LA01)  10,796
   **Sponsor:** Palmetto Health Alliance
   **Co-PI:**

Center for Health Services and Policy Research - Quality Management  - (11580-LA02)  85,000
   **Sponsor:** Palmetto Health Alliance
   **Co-PI:**
Health Services Policy and Management
Baker, Samuel
GA: Annika V. Edwards - (11550-LP62) 5,000
Sponsor: Lexington Medical Center
Co-PI:

Laditka, Sarah
GA: Stephen Bennett - (11550-GP12) 6,000
Sponsor: SC Department of Health & Environmental Control (DHEC)
Co-PI:

GA: Sarah Cheek - (11550-GP13) 6,000
Sponsor: SC Department of Health & Environmental Control (DHEC)
Co-PI:

GA: Emilie Guffey - (11550-JP36) 2,000
Sponsor: Foothills Home Care, LLC
Co-PI:

GA: Jonathan Brock - (11550-JP37) 4,000
Sponsor: Carolina Care Plan
Co-PI:

GA: Tojuana Fulton - (11550-KP16) 2,720
Sponsor: SC Campaign to Prevent Teen Pregnancy
Co-PI:

GA: Emilie Guffey - (11550-KP18) 2,000
Sponsor: United Way of the Midlands
Co-PI:

GA: Rachel Wood - (11550-LP60) 4,080
Sponsor: Palmetto Health Richland
Co-PI:

GA: Beth McLean - (11550-LP61) 4,000
Sponsor: Sisters of Charity Providence Hospitals
Co-PI:

GA: Stephanie Holmes - (11550-LP63) 5,000
Sponsor: Lexington Medical Center
Co-PI:
Sponsored Awards Management (SAM)
January, 2005  New Awards

Health Services Policy and Management
McTigue, James
  GA: Kevin Marshall - (11550-KP17)
    Sponsor: Dorn Research Institute
    Co-PI:
  5,000

Probst, Janice
  GA: Sara Bullock - (11550-LP59)
    Sponsor: Palmetto Health Richland
    Co-PI:
  6,500

Xirasagar, Sudha
  GA: Lisa Dow - (11550-JP38)
    Sponsor: Blue Cross Blue Shield
    Co-PI:
  3,524

Research & Health Sciences, Vice President

Families in Society, Institute for
Brown, Elsbeth
  Evaluation of the Catawba Even Start Program - (10010-FL11)
    Sponsor: Catawba Indian Nation/HHS
    Co-PI:
  20,000

Research, Vice President for - (General)
Boccanfuso, Anthony
  Equipment Support for Research Center of Economic Excellence in Nanostructures - (22000-JQ00)
    Sponsor: Kemet, Inc.
    Co-PI: Pond, David      Webb, Richard
  250,000

Social Work, College of

Social Work, College of
Bond, Pamela
  Social Work Training for DSS Staff and Agents - (15900-FJ03)
    Sponsor: SC Department of Social Services/HHS
    Co-PI:
  74,200

Ginsberg, Leon
  GA: Debra Harrill - (15900-LP38)
    Sponsor: Universal Mental Health
    Co-PI:
  1,000
## Sponsored Awards Management (SAM)

### January, 2005  New Awards

**USC Aiken**

**USC Aiken**  
Gregg, Paula  
*Developing Middle School Programs at USCA* - (17110-FJ03)  
**Sponsor:** SC Department of Education/DOE  
**Co-PI:**

---

**Hanlin, Hugh**  
*Response of Herpetofauna to Carolina Bay Restoration* - (17110-FA15)  
**Sponsor:** Forest Service-Savannah River/USDA  
**Co-PI:**

---

**USC Sumter**

**USC Sumter**  
Bell, Richard  
*Trauma Care Surgical Fellowship for South Carolina* - (18200-KL00)  
**Sponsor:** Fullerton Foundation  
**Co-PI:**

---

**USC Upstate**

**USC Upstate**  
Turner, Jack  
*Watch on Wetlands; a Training Initiative for 4th-6th Grade Educators* - (17880-1)  
**Sponsor:** International Paper  
**Co-PI:** Webster, Bonnie

---

**Report Total:** $7,092,877