Sponsored Awards Management (SAM)
March, 2005   New Awards

Arts and Sciences, College of

**Anthropology**
Leatherman, Thomas
- **GA: Sara Kautz** - (13590-GP00)  
  **Sponsor:** SC Department of Natural Resources  
  **Co-PI:**

- **3,000**

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

- **250,000**

Herron, Tammy
- **Ground Truthing of Remote Sensing Anomalies at Silver Bluff Site, Aiken County, South Carolina** - (21300-FA26)  
  **Sponsor:** US Army Construction Eng. Research Laboratory (CERL)/DOD  
  **Co-PI:**

- **18,182**

**Biological Sciences**
Dewey, Michael
- **A Genetic Stock Center for Peromyscus** - (13010-FA88)  
  **Sponsor:** National Science Foundation (NSF)  
  **Co-PI:**

- **15,000**

Hughes, Austin
- **Evolution of Immune Recognition and Evasion** - (13010-FA52)  
  **Sponsor:** National Institutes of Health (NIH)  
  **Co-PI:**

- **143,088**

**Interdisciplinary Team for the Study of the Evolutionary Origin of Flight in Birds** - (13010-FA85)  
  **Sponsor:** SC EPSCoR Program/IDeA Program/NSF  
  **Co-PI:** Hughes, Austin      Sawyer, Roger      Glenn, Travis      Glenn, Nancy

- **9,964**

Pinckney, James
- **Microbial Observatories: Anhydrophilic, Halotolerant Microbial Mats of San Salvador Island, Bahamas** - (13010-FA86)  
  **Sponsor:** University of North Carolina at Chapel Hill/NSF  
  **Co-PI:**

- **40,880**
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<td>National Science Foundation (NSF)</td>
<td>Small RNAs in Rice and Maize - (13010-FA87)</td>
<td>444,705</td>
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<td>Bowman, Lewis</td>
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<td>Office of Naval Research (ONR)/DOD</td>
<td>Expansion to Real-Time Measurements of Sediment Modification by Large Macrofauna - (13010-FA49)</td>
<td>26,481</td>
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<td>Shimizu, Ken</td>
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<td>National Oceanic and Atmospheric Administration (NOAA)/DOC</td>
<td>Preparation of Analytical Standards for use in HAB Research - (13020-FA81)</td>
<td>46,484</td>
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<td>Fish, John</td>
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<td>SC EPSCoR Program/NSF</td>
<td>Support for a Symposium on Polymer Nanocomposites - (22040-FA18)</td>
<td>10,000</td>
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<td>Myrick, Michael</td>
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<td>National Institute of Arthritis &amp; Musculoskeletal &amp; Skin Diseases (NIAMS)/NIH</td>
<td>Role of Matrix Vesicles in Calcification - (13020-FA35)</td>
<td>60,000</td>
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<td>zur Loye, Hans-Conrad</td>
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<td>US Department of Energy (DOE)</td>
<td>Structural Investigations of Complex Oxides Using Synchrotron Radiation - (13020-FA60)</td>
<td>149,978</td>
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<td>Planning Grant to Develop an IUCRC and GOALI for Polymer Nanocomposites - (13020-FA80)</td>
<td>3,000</td>
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<td>SC EPSCoR Program/NSF</td>
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Sponsored Awards Management (SAM)
March, 2005   New Awards

**COBRE: Center for Colon Cancer Research**
Berger, Franklin
*Genetics of the Hepatic Acute Phase Response*  -  (13010-FA30)  93,282

- **Sponsor:** Roswell Park Cancer Institute/NIH
- **Co-PI:**

**English**
Williams, Harriett
*National Writing Project*  -  (12530-FL03)  5,000

- **Sponsor:** National Writing Project Corporation/USDE
- **Co-PI:**

**Geography**
Mock, Cary
*Baseline Methods for Reconstructing United States 19th Century Climatic Extremes from Historical Data*  -  (13540-FA25)  40,630

- **Sponsor:** National Science Foundation (NSF)
- **Co-PI:**

**Power, Helen**
*Climatic Influences on the Spatial and Temporal Variability of Aerosols over North America*  -  (13540-FA24)  47,037

- **Sponsor:** National Science Foundation (NSF)
- **Co-PI:** Sheridan, Scott

**Geological Sciences**
Kohn, Matthew
*Extensional Unroofing of the Central Menderes Metamorphic Complex, Southwestern Turkey*  -  (13040-FA96)  50,319

- **Sponsor:** National Science Foundation (NSF)
- **Co-PI:**

**Moore, Willard**
*A Pilot Study to Investigate the Possible Linkages Between Submarine Groundwater Fluxes and Amphitheater-Shaped Scarps*  -  (13040-FA98)  15,000

- **Sponsor:** University of North Carolina at Wilmington/PR Sea Grant/NOAA
- **Co-PI:**

**Owens, Thomas**
*Collaborative Research: Lithospheric Foundering Beneath the Sierra Nevada*  -  (13040-FA97)  91,736

- **Sponsor:** National Science Foundation (NSF)
- **Co-PI:**
## Sponsored Awards Management (SAM)

**March, 2005  New Awards**

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<th>Sponsor/Co-PI</th>
<th>Description</th>
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<tr>
<td>US Geological Survey/DOI</td>
<td><strong>Talwani, Pradeep</strong> Cooperative Central and Southeast US Integrated Seismic Network-USC - (13040-FA72)</td>
<td>62,333</td>
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<tr>
<td>UNC at Wilmington/NOAA</td>
<td><strong>Voulgaris, George</strong> CORMP 2003-2004: Particle Size Characterization of the Cape Fear Plume - (13040-FA60)</td>
<td>15,221</td>
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<tr>
<td>US Department of Energy (DOE)</td>
<td><strong>Wilson, Alicia</strong> Understanding Long-Term Solute Transport in Sedimentary Basins: Simulation Brine Migration in the Alberta Basin, Canada - (13040-FA74)</td>
<td>53,858</td>
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<tr>
<td>Defense Advanced Research Projects Agency (DARPA)/DSO/DOD</td>
<td><strong>Mathematics</strong> DeVore, Ronald Highly Effective Geospatial Representation and Analysis - (13060-FA21)</td>
<td>10,000</td>
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<td>Los Alamos National Laboratory/DOE</td>
<td><strong>Physics &amp; Astronomy</strong> Blanpied, Gary Simulation of the Use of Cosmic Rays for Radiography - (13070-FA52)</td>
<td>38,000</td>
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<td>National Science Foundation (NSF)</td>
<td><strong>Prozorov, Ruslan</strong> CAREER: Novel Superconducting and Magnetic NanoComposites - (13070-FA53)</td>
<td>160,000</td>
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<td>National Institute of Child Health &amp; Human Development (NICHD)/NIH</td>
<td><strong>Psychology</strong> Richards, John Development of Sustained Attention in Infants - (13580-FA04)</td>
<td>260,100</td>
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Sponsored Awards Management (SAM)

March, 2005  New Awards

Public Service & Policy Research, Institute for
Oldendick, Robert
National Evaluation of the Free to Grow Program  -  (21100-FL09) 150,910
Sponsor: Wake Forest University/DOJ
Co-PI:

The Provision of Consumer and Family Surveys  -  (21100-GL11) 12,500
Sponsor: SC Department of Disabilities and Special Needs
Co-PI:

Science Education, Center for
Feller, Robert
Control of Saltmarsh Cordgrass by Blue Crab Predation on Periwinkle Snails: An Immunological Gut Check  -  (21600-FA80) 45,000
Sponsor: SC Sea Grant Consortium/NOAA
Co-PI:

Business, Moore School of
Business, Moore School of - Division of Research
Teel, Sandra
2005 South Carolina Investor Profile  -  (21200-GA04) 2,750
Sponsor: SC Department of Commerce
Co-PI:

Education, College of
Educational Studies, Department of
Lowrey, Karen
South Carolina State Improvement Grant (SIG)  -  (15240-FL03) 12,500
Sponsor: SC Department of Education/USDE
Co-PI:

Yell, Mitchell
South Carolina State Improvement Grant  -  (15240-FL02) 25,000
Sponsor: SC Department of Education/USDE
Co-PI: Marshall, Kathleen
Sponsored Awards Management (SAM)
March, 2005   New Awards

**Instruction & Teacher Education**
Bailey, Lora

*Increasing Second and Third Grade Teachers’ Mathematics Knowledge Using Standards-Based Instructional Strategies and Homework Assignments* - (15250-FJ09) 85,055

*Sponsor:* SC Commission on Higher Education/USDE  
*Co-PI:* Johnson, George

Stephens, Diane

*SCRI 2004-2005 - (15250-GJ12)* 16,000

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

**Office of Program Evaluation**
Yap, Ching Ching

*Arts Assessment Institute - (15290-GJ01)* 10,000

*Sponsor:* Arts in Basic Curriculum Project/Winthrop University  
*Co-PI:*

*Arts in Education Project II - (15290-GL13)* 11,500

*Sponsor:* SC Arts Commission  
*Co-PI:*

**Engineering & Information Technology, 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)* 2,000

*Sponsor:* Alfred P. Sloan Foundation/NACME  
*Co-PI:*

Popov, Branko

*DURIP Proposal to Acquire Fishcerscope XDAL and Mini Plating Plant - (15510-FQ02)* 67,425

*Sponsor:* Office of Naval Research/DOD  
*Co-PI:*
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<td>Van Zee, John</td>
<td>DOE Award Number DE-FC36-03GO13097 USC Subcontract</td>
<td>Sponsor: Plug Power/DOE</td>
<td>Co-PI: Shimpalee, Sirivatch</td>
<td>49,670</td>
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<td>I/UCRC Fuel Cell Center - Operating Account</td>
<td>Sponsor: Various Sponsors</td>
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<td>Huhns, Michael</td>
<td>Virtual Soldier Project</td>
<td>Sponsor: UT-Battelle, LLC/DOE</td>
<td>Co-PI:</td>
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<td>Valtorta, Marco</td>
<td>Prior and Tacit Knowledge Services</td>
<td>Sponsor: Georgia Institute of Technology/DOD</td>
<td>Co-PI: Huhns, Michael</td>
<td>79,753</td>
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<td>Dougal, Roger</td>
<td>S3D: Integrative Environment for Design of Dynamic Ship Systems</td>
<td>Sponsor: Florida State/ONR/DOD</td>
<td>Co-PI: Monti, Antonello</td>
<td>334,000</td>
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<td>Khan, M. Asif</td>
<td>III-Nitride MOSHFET Based Advanced RF Circuits</td>
<td>Sponsor: US Army SMDC/DOD</td>
<td>Co-PI: Simin, Grigory</td>
<td>4,202,099</td>
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<td>Shin, YongJune</td>
<td>Diagnostics &amp; Treatment of Electric Wiring Systems in Aging Aircraft</td>
<td>Sponsor: SC EPSCoR Program/NASA</td>
<td>Co-PI: Dougal, Roger</td>
<td>30,000</td>
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<td>Diagnostics &amp; Treatment of Electric Wiring Systems in Aging Aircraft</td>
<td>Sponsor: SC EPSCoR Program/SCRA</td>
<td>Co-PI: Dougal, Roger</td>
<td>20,760</td>
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### Mechanical Engineering

**Khan, Jamil**  
*An Innovative High Thermal Conductivity Fuel Design* - (15540-FA47)  
*Sponsor:* US Department of Energy (DOE)  
*Co-PI:*  
37,030

**Li, Xiaodong**  
*Fabrication of Super-Tough, Ultra-High Temperature Resistant Nacre-Like Nanostructured Composites for Aeronautics and Space Applications* - (15540-FA54)  
*Sponsor:* College of Charleston/NASA  
*Co-PI:*  
30,000

**Lyons, Jed**  
*Graduate Teaching Fellows Enhancing STEM Education in South Carolina Schools* - (15540-FJ02)  
*Sponsor:* National Science Foundation (NSF)  
*Co-PI:* Ebert, Christine  
Sawyer, Roger  
Thompson, Stephen  
492,023

**Reynolds, Anthony**  
*Ballistic Shields* - (15540-FA43)  
*Sponsor:* US Army Research Laboratory/DOD  
*Co-PI:* Sutton, Michael  
Giurgiutiu, Victor  
731,781
Sponsored Awards Management (SAM)
March, 2005   New Awards

Sutton, Michael
Transfer of Technology for Automated Crack Growth Simulations to USAF - (15540-FA41) 279,000
Sponsor: S&K Technologies/US Air Force/DOD
Co-PI: Deng, Xiaomin

Computational and Experimental Studies to Demonstrate Accuracy of CRACK3D: Stable Tearing Predictions Using Large Deformation Kinematics and General 3D Crack Growth Algorithms under Mixed Mode Loading Conditions - (15540-FA53) 123,600
Sponsor: Anteon Corporation/USAF/DOD
Co-PI: Deng, Xiaomin

Development and Validation of a Digital Image Correlation-based Methodology for Accurate Nano-scale Metrology using SEM and AFM Imaging Systems - (15540-JA22) 200,000
Sponsor: Intel Corporation
Co-PI: Li, Xiaodong

Mass Communications & Information Studies, College of

Mass Communications & Information Studies, College of

Journalism & Mass Communications, School of

Jackson, Patricia
Communications Training Course - (15600-FL27) 74,003
Sponsor: Social Security Administration (SSA)
Co-PI:

Mass Communications & Information Studies, College of

Priest, Susanna
Nanotechnology and Biotechnology: Understanding Responses of U.S. and Canadian Citizens - (15710-FA00) 58,257
Sponsor: National Science Foundation (NSF)
Co-PI:

Medicine, School of

Cell & Developmental Biology & Anatomy

Borg, Thomas
Integrin Shedding in the Heart: In Vivo and in Vitro - (18020-FA08) 361,250
Sponsor: National Heart, Lung, & Blood Institute (NHLBI)/NIH
Co-PI:
Potts, Jay
Regulation of AV Canal Formation by the Jak-STAT Pathway - (18020-FA16) 310,644
Sponsor: National Heart, Lung, & Blood Institute (NHLBI)/NIH
Co-PI:

Family & Preventive Medicine
Baxley, Elizabeth
Innovations in Primary Care Dissemination Project - (18130-KJ00) 20,000
Sponsor: Fullerton Foundation
Co-PI:

McDermott, Suzanne
SC Disability and Health Project 18130-FL06 12/8/04 - (18130-FL07) 100,000
Sponsor: Centers for Disease Control (CDC)/HHS
Co-PI:

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) 1,206
Sponsor: Ingenix Pharmaceutical Services
Co-PI:
Sponsored Awards Management (SAM)
March, 2005   New Awards

Talwani, Rohit
Midlands Care Consortium - Ryan White Services  -  (18190-FL25)  1,881,169
Sponsor: SC Department of Health & Environmental Control/HHS
Co-PI:

Midlands Care Consortium - Ryan White Services  -  (18190-FL26)  50,000
Sponsor: SC Department of Health & Environmental Control/HHS
Co-PI:

Midlands Care Consortium - Ryan White Services  -  (18190-FL27)  303,864
Sponsor: SC Department of Health & Environmental Control/HHS
Co-PI:

Midlands Care Consortium - Ryan White Services  -  (18190-FL28)  32,858
Sponsor: SC Department of Health & Environmental Control/HHS
Co-PI:

A Phase IV, Randomized, Multi-Center, Open-label Study to Compare the Safety, Tolerability and Efficacy of TRIZIVIR DID vs. COMBIVIR DID + Atazanavir 400 mg QD in Antiretroviral Naive HIV-1 Infected Subjects Over 48 Weeks (GSK ESS100327).  -  (18190-JA20)  1,236
Sponsor: GlaxoSmithKline
Co-PI: Horvath, Joseph

A 12-Week, Prospective, Open-label, Multicenter, Cohort Study to Assess HIV-Patient Quality of Life and Tolerability After Administration of Enfuvirtide-Containing HAART (QUALITE)  -  (18190-JA24)  1,500
Sponsor: Roche Laboratories Inc.
Co-PI: Horvath, Joseph

Medicine, School of  - (Dean)
Fowler, Stanley
South Carolina Consortium for Cardiovascular Disease and Stroke  -  (18360-L100)  7,500
Sponsor: Palmetto Health Alliance
Co-PI:
Sponsored Awards Management (SAM)
March, 2005   New Awards

**Pediatrics**

Neuberg, Ronnie

*Children's Oncology Group/National Childhood Cancer Foundation* - (18140-FA06) 8,000

**Sponsor:** National Childhood Cancer Foundation/NCI/NIH

**Co-PI:**

Schwartz, I. David

*Kabi International Growth Study* - (18140-JA02) 1,200

**Sponsor:** Pharmacia Corporation

**Co-PI:**

Trial HGH 21476-Novonordisk Pharmaceuticals - (18140-JA03) 6,000

**Sponsor:** Novo Nordisk Pharmaceuticals, Inc.

**Co-PI:**

Noroditropin National Registry Program - (18140-JA08) 1,450

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

**Co-PI:**

**Surgery**

Yost, Michael

*Tissue Engineered Artificial Myocardium* - (18200-FA00) 139,644

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

**Co-PI:**

**Music, School of**

Music, School of

Barnes, Gail

*Pulling Strings For Children* - (12550-KL01) 6,000

**Sponsor:** Junior League of Columbia

**Co-PI:**
Nursing, College of

*Scharer, Kathleen*

**Social Support for Mothers of Mentally Ill Children** - (11200-FA03)

*Sponsor:* National Institute of Nursing Research (NINR)/NIH  
*Co-PI:* Moneyham, Linda

Pharmacy, College of

*Palmetto Poison Center*

*Michels, Jill*

**South Carolina Poison Center Certification Project** - (11140-FL04)

*Sponsor:* Health Resources & Services Administration (HRSA)/HHS

Public Health, Arnold School of

*Environmental Health Sciences*

*Decho, Alan*

**Microbial Observatories: Anhydrophilic, Halotolerant Microbial Mats of San Salvador Island, Bahamas** - (11510-FA34)

*Sponsor:* University of North Carolina/NSF

*Newman, Lee*

**Phytoremediation** - (11510-FA90)

*Sponsor:* University of Washington/NIH
### Epidemiology & Biostatistics

**Hebert, James**

- **Oral Cancer Prevention and Control: Statewide Perspective** - (11520-FA54)  
  - **Sponsor:** Medical University of South Carolina/CDC  
  - **Co-PI:** Adams, Swann  
  - **Amount:** $372,576

- **Informed Decision Making for Prostate Cancer** - (11520-FA55)  
  - **Sponsor:** University of Texas Health Science Center at Houston/CDC  
  - **Co-PI:**  
  - **Amount:** $161,914

### Community Participatory Health Promotion and Disease Prevention Expansion (supplement to PRC) - (11570-FA55)

- **Sponsor:** Center for Disease Control (CDC)/HHS  
  - **Co-PI:**  
  - **Amount:** $100,000

### Health Promotion, Education & Behavior

**Richter, Donna**

- **Contract with DHEC for the Director of the South Carolina Office of Public Health Consortium** - (11500-FL07)  
  - **Sponsor:** SC Department of Health & Environmental Control/HHS  
  - **Co-PI:**  
  - **Amount:** $43,000

- **Evaluation of the Recovering Professionals Program** - (11540-HL01)  
  - **Sponsor:** Lexington/Richland Alcohol and Drug Abuse Commission (LRADAC)  
  - **Co-PI:**  
  - **Amount:** $14,804

### Health Services & Policy Research, Center for

**Laditka, James**

- **Evaluation of Surveillance for Mild Traumatic Brain Injury** - (11580-FA10)  
  - **Sponsor:** SC Department of Health and Environmental Control/HHS  
  - **Co-PI:**  
  - **Amount:** $8,630
### Health Services Policy and Management

**McTigue, James**

- **GA: LeRyiah Puffer - (11550-HP01)**
  - **Sponsor:** Lexington County Recreation & Aging Commission
  - **Co-PI:**

- **Year 2 Evaluation of Knight Funded Arts-based After School Programs - (11500-KL02)**
  - **Sponsor:** John S. and James L. Knight Foundation
  - **Co-PI:** Oglesby, Willie

### Public Health, Arnold School of - Dean

**Corwin, Sara**

- **Year 2 Evaluation of Knight Funded Arts-based After School Programs - (11500-KL02)**
  - **Sponsor:** John S. and James L. Knight Foundation
  - **Co-PI:** Oglesby, Willie

### Research & Nutrition & Health Disparities, Center for

**Mayer-Davis, Elizabeth**

- **Diabetes Prevention Program Outcomes Study (DDPOS) - (11590-FA07)**
  - **Sponsor:** George Washington University/NIH
  - **Co-PI:**

- **Type 1 Diabetes Genetics Consortium - (11590-FL00)**
  - **Sponsor:** Benaroya Research Institute at Virginia Mason/NIH
  - **Co-PI:**

### Research & Health Sciences, Vice President

**Flerx, Vicki**

- **Bullying Prevention Program Dissemination - (10010-LL00)**
  - **Sponsor:** Clemson University
  - **Co-PI:**

  - **Sponsor:** RTI International/CDC/HHS
  - **Co-PI:** Harris, Muriel
Social Work, College of

Bond, Pamela
The Purchase of Social Work Training for DSS Staff and Agents - (15900-FJ15) 5,136,095
  Sponsor: SC Department of Social Services/HHS
  Co-PI:

Flynn, Cynthia
South Carolina Interagency Deaf-Blind Project - (15900-FL25) 2,500
  Sponsor: SC School for the Deaf and Blind/USDE
  Co-PI:

USC Aiken

Priest, Jeffrey
2005 Advanced Placement Teacher Institutes - (17110-GL26) 48,227
  Sponsor: SC Department of Education
  Co-PI:

K-5 Enhancement Review Project - (17110-GL27) 9,988
  Sponsor: South Carolina Department of Education
  Co-PI:

USC Beaufort

Hill, Bryan
Leadership Development Program - (17220-KL11) 10,000
  Sponsor: Sunshine Lady Foundation, Inc.
  Co-PI:

USC Salkehatchie

Chavous, Warren
USC Salkehatchie Summer Scholars 2005 - (17660-KL15) 29,000
  Sponsor: Gaylord and Dorothy Donnelley Foundation
  Co-PI:
### Sponsored Awards Management (SAM)

**March, 2005  New Awards**

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<td>USC Salkehatchie Entrepreneurial Development Center Project - (17660-FL06)</td>
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<td>USC Upstate</td>
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<td>Upstate Nursing Consortium - (17880-KL03)</td>
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<td>Sponsor: Carolina Piedmont Foundation</td>
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<td>Turner, Jack</td>
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<td>Microbiobial Study - (17880-L101)</td>
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**Report Total:** $19,160,486