SPONSORED PROGRAMS and RESEARCH
Award Activity November 2002

Education, College of
Educational Psychology
Johnson, Robert

South Carolina Standards-Based Arts Assessment Year 02 - (GL07) $74,954
SC Department of Education

Physical Education
Rink, Judith

Physical Education School Assessment - (K401) $5,000
SC Alliance for Health, P.E., Recreation & Dance

Engineering & Information Technology, College of
Chemical Engineering
Davis, Thomas A.

Centralized Hydrogen Production from Nuclear Power: Infrastructure Analysis and Test Case Design - (FA25) $64,580
SC Universities Research and Education Foundation/WSRC/DOE

Popov, Branko

Development and Characterization of Novel Zn-Ni-X Ternary Alloys to Prevent Corrosion and Hydrogen Embrittlement - (FA14) $8,311
Office of Naval Research/DOD

Civil & Environmental Engineering
Harries, Kent

Load Tests of Reinforced Concrete Catch Basins - (JA05) $5,945
USCRF/Clark Schwebel Tech-Fab

Imran, Jasim

Methodology for Predicting Channel Shift Near Bridge Crossings - (GA03) $19,322
SC State University Transportation Center

Computer Science & Engineering
Huhns, Michael

GA: Global Infotek, Inc. - (JP28) $23,450
Global Infotek, Inc.

Electrical Engineering
Khan, Asif

Material Parameters-Device Correlations for III-N HFETs on Non-Polar Substrates - (FA21) $121,425
USCRF/Office of Naval Research/DARPA/DOD
Mechanical Engineering
Giurgiuțiu, Victor

Remote Ultrasonic Diagnostics of Material Damage Under High Radiation and
High Temperatures - (JA15) $80,000
USCRF/Westinghouse Electric Co. LLC

Rhodes, C. A.

Experimental Measurement of Material Properties-Multi-Sponsor Account -
(JA14) $2,000
USCRF/Shakespeare Electronics & Fiberglass

Environment, School of the
Earth Sciences & Resources Institute

Kloot, Robin 'Buz'

GIS Technical Assistance for Comprehensive Nutrient Management Planning -
(JL00) $3,005
USCRF/Environmental Management Solutions, LLC

Environment, School of the
Mancke, Rudy

Mountains to the Sea: Workshops for South Carolina Teachers - Richland District
One - (KJ00) $8,300
USCRF/Central Carolina Community Foundation

Families in Society, Institute for
Families in Society, Institute for
Lopez-DeFede, Ana

Tuberculosis and African American Communities in South Carolina: Role of
Knowledge, Values and Belief Systems - (FA15) $70,808
SC Department of Health & Environmental Control/HHS

Liberal Arts, College of

Naval Science
Moon, Victor

NROTC Educational Instruction: Calculus and Physics - (FJ05) $2,000
US Navy/DOD

NROTC Educational Instruction: Chemistry & Biology - (FJ04) $2,000
US Navy/DOD
**Medicine, School of**
*Cell & Developmental Biology & Anatomy*

**Blake, Charles**

*Estrogen, Gene Expression, and Gonadal Development* - (FA11)  
USCRF/Benedict College/National Center on Minority Health & Health Disparities (NCMHD)/NIH  
$34,750

**Lavoie, Holly**

*Role of Estrogen in Luteal Function* - (FA12)  
USCRF/Benedict College/National Center on Minority Health & Health Disparities (NCMHD)/NIH  
$34,750

**Internal Medicine**

**Talwani, Rohit**

*A Randomized, Open-Label Study of the Antiviral Efficacy and Safety of a Novel HIV-1 Protease Inhibitor, BMS-232632, in Combination with Ritonavir or Saquinavir, together with Tenofovir and a Nucleoside...* - (JA07)  
USCRF/Bristol-Myers Squibb Company  
$2,000

**Neuropsychiatry**

**Leech, Linda**

*Recovery Model in the Provision of Mental Health Services* - (GL02)  
SC Department of Mental Health  
$8,000

**Research & Special Projects**

**Fowler, Stanley**

*Greenville Hospital System-USC School of Medicine Video Communications Corridor Project* - (KQ01)  
The Fullerton Foundation  
$60,000

**Pharmacy, College of**

*Basic Pharmaceutical Sciences*

**Smith, Eric**

*Comparison of Corticosteroid Release to the Skin from Experimental and Commercial Formulations using the Human Skin Blanching Assay* - (JA02)  
USCRF/Taro Pharmaceuticals, Inc.  
$27,000
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<thead>
<tr>
<th><strong>Provost, Office of the Provost, Office of the</strong></th>
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<tbody>
<tr>
<td><strong>Odom, Jerome</strong></td>
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<td>SC EPSCoR Match for 22040-FA14. - (GA00) SC EPSCoR Program</td>
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<tr>
<th><strong>Public Health, Norman J. Arnold School of Environmental Health Sciences</strong></th>
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<td><strong>Aelion, C. Marjorie</strong></td>
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<td>Role of Groundwater in the Biogeochemical Cycles of Carbon, Nitrogen and Phosphorus in SC and GA Waters - (FA49) SC Sea Grant Consortium/NOAA</td>
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<tr>
<th><strong>Chandler, G. Thomas</strong></th>
<th><strong>Scott, Geoff</strong></th>
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<tr>
<td>Contaminant and Toxicology Research: A Hard Clam Bioassy and Microbiology - (FA50) SC Sea Grant Consortium/NOAA</td>
<td>$52,500</td>
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<tr>
<td>Land Use Effects on Mobility Bioavailability, and Toxicity of Common Urban Contaminants in Water Sediment - (FA37) SC Sea Grant Consortium/NOAA</td>
<td>$47,820</td>
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<th><strong>Decho, Alan</strong></th>
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<tr>
<td>Land-Use Effects on Mobility, Bioavailability and Toxicity of Common Urban Contaminants in Water/Sediment of Coastal Ecosystems - (FA36) SC Sea Grant Consortium/NOAA</td>
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<th><strong>McKellar, Henry</strong></th>
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<td>Tidal Exchange for Nutrients in Estuarine Wetlands of the South Atlantic Bight: Dynamics and Effects of Upland Development - (FA38) SC Sea Grant Consortium/NOAA</td>
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<th><strong>Exercise Science</strong></th>
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<td><strong>Durstine, John L.</strong></td>
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<td>GA: South Carolina Heart Center - (J705) SC Heart Center</td>
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<th><strong>Health Administration</strong></th>
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<tr>
<td><strong>Glover, Saundra</strong></td>
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<td>School of Public Health and SC State University Partnership-BRIN - (FA04) USCRF/National Center for Research Resources/NIH</td>
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<th><strong>Probst, Janice</strong></th>
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<td>GA: Memorial Hospital - (LP29) Memorial Hospital</td>
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<th><strong>Samuels, Michael</strong></th>
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<td>Rural African-American Research Center - (FA00) Health Resources &amp; Services Administration/HHS</td>
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</table>
Executive Training Institutes for Public Health Leaders on BT - (FJ03)  $300,000  USCRF/Association of Schools of Public Health/CDC
GA: OutSmart in the Midlands - (KP07)  $5,032  Outsmart in the Midlands
GA: SC Coalition Against Violence & Sexual Assault - (KP11)  $5,400  SC Coalition Against Domestic Violence & Sexual As
Institute for HIV Prevention Leadership - (FJ02)  $1,679,729  USCRF/Association of Schools of Public Health/CDC
SC AIDS Training Network - (FJ04)  $116,445  USCRF/Emory University/HRSA

Public Health, Norman J. Arnold School of - (Dean)
Feigley, Charles
University of South Carolina Center for Public Health Preparedness - (FJ04)  $966,730  USCRF/Association of Schools of Public Health/CDC

Regional and Four-Year Campuses
USC Aiken
Allen, Gary
CSRA HUB Mathematics and Science Unit Consultants - (GL11)  $18,916  SC Department of Education
McClellan, Sally
Child Care Initiative of First Steps - (GL12)  $188,580  Aiken County First Steps

USC Beaufort
Marterer, Aaron
Student Support Services - (FL05)  $208,520  US Department of Education
Yanker, Marge
Promotion of Beaufort Historical Tours - (HL06)  $1,000  Town of Port Royal

USC Spartanburg
Love, Charles
Standards and Assessment Grant Project Implementation Funding - (FA04)  $15,000  SC Department of Education/US DoEd
Science and Mathematics, College of Baruch Institute

**Porter, Dwayne**

*Urbanization and Southeastern Estuarine Systems Project (USES) - (FA45)*
USCRF/National Science Foundation (NSF) - General

$45,000

**Chemistry & Biochemistry**

**Adams, Richard**

*Catalytic Transformations from Thia-Heterocycles to Chiral Thia-Macrocyles and Cyclic Disulfides - (LA00)*
United States Israel Binational Science Foundation

$3,680

**Dawson, John**

*Editing: Journal of Inorganic Biochemistry - (J400)*
Elsevier Science

$2,834

**Murphy, Catherine**

*Support for Nanomaterials Symposium - (FA33)*
SC EPSCoR Program/NSF

$4,800

**Scrivens, Walter**

*2001 EPA/EPSCoR Project: Harmful Algal Bloom Toxins - (GA04)*
SC EPSCoR Program

$45,339

*Spun-Cast Polymer Composite Mirrors and Their Use in Adaptive Optics - (LA00)*
USCRF/National Aeronautics and Space Administration (NASA)

$93,428

**zur Loye, Hans-Conrad**

*Synthesis of New Perovskite Related Oxides - (FA16)*
USCRF/National Science Foundation (NSF) - General

$125,000

**Geological Sciences**

**Goni, Miguel**

*Organic Pollutants in Coastal Environments - (GA18)*
SC EPSCoR Program

$54,108

**Moore, Willard**

*Role of Groundwater in the Biogeochemical Cycles of Carbon, Nitrogen and Phosphorus in SC and GA Waters - (FA39)*
SC Sea Grant Consortium/NOAA

$44,805
Mathematics

DeVore, Ronald

Analysis and Numerical Algorithms for Data Processing and Fast Solution of PDEs - (FA07) $158,001
USCRF/Office of Naval Research/DOD

Physics & Astronomy

Anandan, Jeeva

Amplification of Weak Signals Using Weak Measurements and Quantum Computation - (FA21) $30,000
USCRF/Office of Naval Research/DOD

Statistics

Grego, John

Safety Belt Survey - (GA02) $30,331
NS&G/SC Department of Public Safety

Lynch, James

Statistical Analysis (Robert Bosch Corp) - (JL00) $1,475
USCRF/Robert Bosch Corporation

Student Affairs, Division of

Student Health

Gardner, Marcous

Tobacco and Cancer Prevention Initiative - (KL00) $5,672
USCRF/American Cancer Society

Grand Total $6,298,675