

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

Giurgiutiu, 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

Klout, 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) **\$34,750**
USCRF/Benedict College/National Center on Minority Health & Health
Disparities (NCMHD)/NIH

Lavoie, Holly

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

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)* **\$2,000**
USCRF/Bristol-Myers Squibb Company

Neuropsychiatry

Leech, Linda

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

Wright, Harry

Molecular and Genetic Epidemiology of Autism - (FA00) **\$127,386**
USCRF/Duke University/NIH

Pathology & Microbiology

Hunt, Margaret

Vitreous Modulation of Retinal Pigment Epithelium Cells - (F173) **\$252,875**
National Eye Institute/NIH

Research & Special Projects

Fowler, Stanley

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

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)* **\$27,000**
USCRF/Taro Pharmaceuticals, Inc.

Provost, Office of the
Provost, Office of the
Odom, Jerome

SC EPSCoR Match for 22040-FA14. - (GA00) **\$4,335**
SC EPSCoR Program

Public Health, Norman J. Arnold School of
Environmental Health Sciences
Aelion, C. Marjorie

Role of Groundwater in the Biogeochemical Cycles of Carbon, Nitrogen and Phosphorus in SC and GA Waters - (FA49) **\$45,189**
SC Sea Grant Consortium/NOAA

Chandler, G. Thomas **Scott, Geoff**

Contaminant and Toxicology Research: A Hard Clam Bioassay and Microbiology - (FA50) **\$52,500**
SC Sea Grant Consortium/NOAA

Land Use Effects on Mobility Bioavailability, and Toxicity of Common Urban Contaminants in Water Sediment - (FA37) **\$47,820**
SC Sea Grant Consortium/NOAA

Decho, Alan

Land-Use Effects on Mobility, Bioavailability and Toxicity of Common Urban Contaminants in Water/Sediment of Coastal Ecosystems - (FA36) **\$51,492**
SC Sea Grant Consortium/NOAA

McKellar, Henry

Tidal Exchange for Nutrients in Estuarine Wetlands of the South Atlantic Bight: Dynamics and Effects of Upland Development - (FA38) **\$42,982**
SC Sea Grant Consortium/NOAA

Exercise Science

Durstine, John L.

GA: South Carolina Heart Center - (J705) **\$11,416**
SC Heart Center

Health Administration

Glover, Sandra

School of Public Health and SC State University Partnership-BRIN - (FA04) **\$45,451**
USCRF/National Center for Research Resources/NIH

Probst, Janice

GA: Memorial Hospital - (LP29) **\$10,098**
Memorial Hospital

Samuels, Michael

Rural African-American Research Center - (FA00) **\$797,976**
Health Resources & Services Administration/HHS

Health Promotion, Education & Behavior

Richter, Donna

Murday, David

<i>Executive Training Institutes for Public Health Leaders on BT - (FJ03)</i> USCRF/Association of Schools of Public Health/CDC	\$300,000
<i>GA: OutSmart in the Midlands - (KP07)</i> Outsmart in the Midlands	\$5,032
<i>GA: SC Coalition Against Violence & Sexual Assault - (KP11)</i> SC Coalition Against Domestic Violence & Sexual As	\$5,400
<i>Institute for HIV Prevention Leadership - (FJ02)</i> USCRF/Association of Schools of Public Health/CDC	\$1,679,729
<i>SC Aids Training Network - (FJ04)</i> USCRF/Emory University/HRSA	\$116,445

Public Health, Norman J. Arnold School of - (Dean)

Feigley, Charles

<i>University of South Carolina Center for Public Health Preparedness - (FJ04)</i> USCRF/Association of Schools of Public Health/CDC	\$966,730
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Regional and Four-Year Campuses

USC Aiken

Allen, Gary

<i>CSRA HUB Mathematics and Science Unit Consultants - (GL11)</i> SC Department of Education	\$18,916
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McClellan, Sally

<i>Child Care Initiative of First Steps - (GL12)</i> Aiken County First Steps	\$188,580
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USC Beaufort

Marterer, Aaron

<i>Student Support Services - (FL05)</i> US Department of Education	\$208,520
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Yanker, Marge

<i>Promotion of Beaufort Historical Tours - (HL06)</i> Town of Port Royal	\$1,000
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USC Spartanburg

Love, Charles

<i>Standards and Assessment Grant Project Implementation Funding - (FA04)</i> SC Department of Education/US DoEd	\$15,000
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Science and Mathematics, College of

Baruch Institute

Porter, Dwayne

Urbanization and Southeastern Estuarine Systems Project (USES) - (FA45) **\$45,000**
USCRF/National Science Foundation (NSF) - General

Chemistry & Biochemistry

Adams, Richard

Catalytic Transformations from Thia-Heterocycles to Chiral Thia-Macrocycles and Cyclic Disulfides - (LA00) **\$3,680**
United States Israel Binational Science Foundation

Dawson, John

Editing: Journal of Inorganic Biochemistry - (J400) **\$2,834**
Elsevier Science

Murphy, Catherine

Support for Nanomaterials Symposium - (FA33) **\$4,800**
SC EPSCoR Program/NSF

Scrivens, Walter

2001 EPA/EPSCoR Project: Harmful Algal Bloom Toxins - (GA04) **\$45,339**
SC EPSCoR Program

Spun-Cast Polymer Composite Mirrors and Their Use in Adaptive Optics - **\$93,428**
USCRF/National Aeronautics and Space Administration (NASA)

zur Loye, Hans-Conrad

Synthesis of New Perovskite Related Oxides - (FA16) **\$125,000**
USCRF/National Science Foundation (NSF) - General

Geological Sciences

Goni, Miguel

Organic Pollutants in Coastal Environments - (GA18) **\$54,108**
SC EPSCoR Program

Moore, Willard

Role of Groundwater in the Biogeochemical Cycles of Carbon, Nitrogen and Phosphorus in SC and GA Waters - (FA39) **\$44,805**
SC Sea Grant Consortium/NOAA

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