

SPONSORED PROGRAMS and RESEARCH
Award Activity - April 2003

Education, College of

Instruction & Teacher Education

Long, Susi

SC Reading Excellence Act Demonstration Sites - (GJ05) **\$52,000**
SC Department of Education

Office of Program Evaluation

Gredler, Margaret

*Evaluation of the Special Education State Improvement Grant
Implementation - (FA01)* **\$94,122**
SC Department of Education/USDE

Johnson, Robert

Standards-Based Arts Assessment in South Carolina - (GL00) **\$87,143**
SC Department of Education

Engineering & Information Technology, College of

Chemical Engineering

Ritter, James

Ebner, Armin

*SGER: Feasibility of High Gradient Magnetic Implants for Targeted Drug
Delivery - (FA31)* **\$49,999**
USCRF/National Science Foundation (NSF) - General

Weidner, John

Technology Development of Dupont Patent Donation - (KA08) **\$100,000**
USC Research Foundation

White, Ralph

Dougal, Roger

Fuel Cell Technology Hybrid Advanced Fuel Cell Power Sources - (FA32) **\$1,148,000**
USCRF/US Army Communications-Electronics Command/DOD

Life Modeling of Li-Ion Cells - (FA33) **\$590,000**
USCRF/National Reconnaissance Office

Civil & Environmental Engineering

Pierce, Charles

Gassman, Sarah

Field and Laboratory Assessment of Flowable Fill Performance - (FA07) **\$15,934**
SC Department of Transportation/FHWA/DOT

Computer Science & Engineering

Zachary, John

Therminator II: Advanced Prototype Research and Development - (FA14) **\$50,000**
USCRF/Penn State University Applied Research Lab/ONR/DOD

Electrical Engineering

Dougal, Roger

Monti, Antonello

Virtual Prototyping, Advanced Electric Systems, and Controls for Ships - **\$938,000**
USCRF/Office of Naval Research (ONR)/DOD

Khan, Asif

High PRF Ultraviolet Detectors Based on Quarternary AlInGaN Layers and **\$392,095**
Heterojunctions - (FA05)

National Aeronautics & Space Administration (NASA) - General

Mechanical Engineering

Giurgiutiu, Victor

Structural Monitoring with Piezoelectric Wafer Active Sensors - (FA33) **\$166,000**
USCRF/University Technology Corporation/AFRL/DOD

Khan, Jamil

Extension of Computational Investigation of the Combustion Process for **\$2,175**
Micro-Turbines - (JA16)

USCRF/Doty Scientific

Remote Ultrasonic Diagnostics of Material Damage Under High Radiation **\$5,000**
and High Temperatures - (JA15)

USCRF/Westinghouse Electric Co. LLC

Li, Xiaodong

Mechanical Properties and Reliability of Micro/Nanoscale Structures for **\$29,630**
Aeronautics and Space Applications - (FA32)

SC Space Grant Consortium/NASA

Lyons, Jed

Ebert, Christine

GK-12 Engineering Fellowships to Enhance Science Education in South **\$60,500**
Carolina Schools - (FJ00)

National Science Foundation (NSF) - General

Ranson, William

Cost and Effectiveness Analysis of the AH-64A and UH-60L on Board **\$325,000**
Vibrations Monitoring (VM) System - (FA31)

SC National Guard/DOD

Reynolds, Anthony

Friction Stir Welding of Titanium for Aerospace and Naval Applications - **\$60,000**
USCRF/Office of Naval Research/DOD

SC Alliance for Minority Participation (SCAMP)

White, Ralph

SCAMP Phase I - (FA03) **\$181,500**
South Carolina State/NSF

Environment, School of the*Environment, School of the***Amiridis, Michael****Van Zee, John**

REU Site: Novel Technologies for Pollution Prevention - (FA00)
National Science Foundation (NSF) - General

\$102,482**Families in Society, Institute for***Families in Society, Institute for***Floyd, Anita**

Development of Homeless Coalitions and Programs in South Carolina -
USCRF/Training & Development Associates, Inc/HUD

\$22,880

Resource Development to Address Homelessness in South Carolina - (KL05)
USCRF/TSC Foundation

\$20,000**Harris, Muriel**

Testing for HIV in Richland County: A Program Evaluation - (KL06)
USCRF/SC African American HIV/AIDS Council

\$10,957**Liberal Arts, College of***Archaeology & Anthropology, SC Institute of***Brooks, Mark**

Cultural Resource Management on the SRS - (F110)
US Department of Energy (DOE) - General

\$415,000**Clement, Christopher**

Evaluation of 27 Sites at Ft. Jackson - (FA16)
USCRF/US Army Medical Research ACQ Activity/DOD

\$641,349**Smith, Steven**

Cultural Resources Services FY03 - (GA08)
SC Army National Guard

\$132,060*Geography***Cutter, Susan**

Measuring the Social and Biophysical Vulnerability of Small Island Nations -
(KA04)
USCRF/National Geographic

\$26,494**Jensen, John****Cowen, David**

Program for a NASA Affiliated Research Center Program at the University of
South Carolina - (F165)
National Aeronautics & Space Administration (NASA) - General

\$175,000

Government & International Studies

Songer, Donald

Collaborative Research: Extending a Multi-Country Database and Program of Research - (FA00) **\$15,000**
USCRF/National Science Foundation (NSF) - General

International Studies, Institute of

Kegley, Charles **Angel, Robert**

Fulbright American Studies Institute on the Conduct and Formulation of US Foreign Policy - (FL03) **\$214,608**
USCRF/United States Department of State

Psychology

Baylis, Gordon

Mechanisms of Perceptual Extinction Following Stroke - (FA19) **\$202,904**
USCRF/National Institute of Neurological Disorders & Stroke (NINDS)/HHS

Booze, Rosemarie

HIV/Cocaine Neurotoxicity in Females - (FA09) **\$341,848**
USCRF/National Institute on Drug Abuse (NIDA)/NIH

Coleman, James

Summer Research Institute in Experimental Psychology - (FA18) **\$182,556**
USCRF/National Science Foundation (NSF) - General

Kilmann, Peter

GA: Earle E. Morris Alcohol and Addiction Treatment Center - (GP01) **\$26,300**
SC Department of Mental Health

Wandersman, Abraham

GA: Alternative Consulting, Inc. - (J727) **\$4,859**
Alternative Consulting, Inc.

Public Service & Policy Research, Institute for

Oldendick, Robert

Evaluation of the Combating Underage Drinking Program - (F420) **\$128,217**
Wake Forest University/DOJ

National Evaluation of the Free to Grow Program - (FL09) **\$236,362**
USCRF/Wake Forest University/DOJ

Public Service & Policy Research, Institute for
Pierce, Jon

Evaluation of Parks and Recreation Services for Georgetown County - **\$18,000**
Georgetown County Parks & Recreation Department

Mass Communications & Information Studies, College

Library & Information Sciences, School of
Williams, Robert

Southeast Archives Education Collaborative with Louisiana State University **\$1,500**
- (FA00)
USCRF/Louisiana State University/IMLS

Medicine, School of

Basic Science Research

Price, Robert **Fox, Alvin**

LCQ Classis Ion Trap Mass Spectrometer - (KQ00) **\$25,000**
USC Educational Foundation

Family & Preventive Medicine

Baxley, Elizabeth

Minority Faculty Fellowship Program - (FJ00) **\$60,808**
USCRF/Health Resources & Services Administration (HRSA)/HHS

Internal Medicine

Talwani, Rohit

Observational Analysis of Clinical and Virologic Outcomes, Safety and **\$5,000**
Tolerability of all Patients Started on Tenofovir in a Large Urban HIV Clinic
with a Predominately Indigent Population - (JA11)
USCRF/Gilead Sciences, Inc.

Medicine Library

Riley, Ruth

Geriatric Web: The Geriatric Digital Library Project - (FL01) **\$27,042**
Palmetto Health/National Library of Medicine (NLM) /NIH

Neuropsychiatry

Wright, Harry

Molecular and Genetic Epidemiology of Autism - (FA00) **\$174,141**
USCRF/Duke University/NIH

Ophthalmology

Pakalnis, V. Al

Protein Kinase C Beta Inhibitor - Diabetic Retinopathy Study 2 (PKC-DRS2) **\$10,373**
A Phase 3 Clinical Trial - (JA00)
USCRF/Parexel International Corporation

Pathology & Microbiology

Fox, Alvin

Science Education and Research Outreach Project of the University of South Carolina School of Medicine - (KJ00) **\$2,000**
Sloan Foundation/National Action Council for Minorities in Engineering, Inc.

Stallworth, James

Genetics in Primary Care - (KL00) **\$6,200**
East Carolina University/Fullerton Foundation

Pharmacology, Physiology & Neuroscience

Walsh, Kenneth

Hormonal and Mechanical Regulation of Cardiac Voltage-Gated K⁺ Channels - (KA01) **\$71,500**
American Heart Association

Research & Special Projects

Fowler, Stanley

SC Consortium for Geriatrics - (L101) **\$6,101**
Palmetto Health Alliance

South Carolina Consortium for Cardiovascular Disease and Stroke - (L100) **\$10,000**
Palmetto Health Richland

Howe, Duncan

Pathways in Caring-Joint Project with Duke Medical Center - (KL02) **\$38,450**
USCRF/Duke University/Fullerton Foundation

Surgery

Nottingham, James

Clinical Protocol for a Double-Blind Multicenter Study of the Safety and Efficacy of Parecoxib - (JA02) **\$2,000**
USCRF/Pharmacia Corporation

Linezolid vs. Vancomycin for the Treatment of Complicated Skin and Soft Tissue Infections Suspected of Being or Proven to be Due to a Methicillin Resistant Gram-positive Bacterial Pathogen - (JA03) **\$2,000**
USCRF/Pharmacia Corporation

Nursing, College of

Family & Community Health Nursing

Adkins, Alice

Advanced Education Nursing Traineeships - (FJ03) **\$50,593**
Health Resources & Services Administration (HRSA)/HHS

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) **\$21,870**
USCRF/Taro Pharmaceuticals, Inc.

Public Health, Norman J. Arnold School of

Environmental Health Sciences

Porter, Dwayne

Clement, Christopher

Development of a Digital Library of Historical and Current Aerial Photography for the Fort Jackson Property - (GA00) **\$60,000**
Office of the Adjutant General

Epidemiology & Biostatistics

Hebert, James

A Diet, Physical Activity, and Meditation Intervention in Men with Rising Prostate-Specific Antigen (PSA) - (FA30) **\$531,480**
USCRF/US Army Medical Research Activity/DOD

Purchase and Provision of Services to Maintain the Alzheimer's Disease Registry and to Provide Educational Training and Program Development and Evaluation - (FA07) **\$100,000**
SC Department of Health & Human Services/HHS

Smith, Sharon

Factors Effecting Blood Pressure: The Role of Obesity - (FA28) **\$1,359**
National Heart, Lung & Blood Institute (NHLBI)/NIH

Xie, Da-wen

Genetic Alterations of p53r2 and Colorectal Adenoma - (FA19) **\$72,688**
USCRF/National Cancer Institute (NCI)/NIH

Health Administration

Glover, Sandra

African American Public Health Fellowship and Development Program to Address Health Disparities - (KJ00) **\$240,438**
USCRF/W.K. Kellogg Foundation

Regional and Four-Year Campuses

USC Aiken

Hanlin H.

Long-Term Monitoring of Reptiles and Amphibians at the Savannah River Site - (FA09) **\$5,705**
Clemson University/USDA

Harrison, David

Sarov ISO-9000-Series Training Program - (FJ01) **\$53,300**
USCRF/VNIIEF Conversion J.S. Company/Russia

Jackson, Patricia

A Systematic Analysis of Hammerhead Ribozyme Target Sites within HIV-1 Tat - (FA13) **\$7,662**
SC Research Authority/NSF

Pirkle, William

SCUREF/DOE/SRS Joint Faculty Appointment for USC-Aiken - (FA05) **\$20,000**
SC Universities Research & Education Foundation/WSRC/DOE

USC Lancaster

Cox, Ramie

USC Lancaster Child Development Center - (GL01) **\$80,000**
Lancaster County First Steps

USC Salkehatchie

Chavous, Warren

ACE Explores 2003 - (KL08) **\$25,000**
USCRF/Gaylord & Dorothy Donnelley Foundation

Moskow, Susan

Character Education Professional Development Teacher's Academies - **\$53,628**
SC Department of Education

USC Spartanburg

Connors, Vince

Development of Biophalaria Glabrata Embryonic Cells as a Model for the Schistosome-Snail Interaction - (FA05) **\$8,000**
USCRF/BRIN/National Center for Research Resources (NCRR)/NIH

Science and Mathematics, College of

Baruch Institute

Lovell, Charles

Diversity of Plant-Associated Diazotrophic Bacteria and their Distributions within Specific Vegetation Zones Along an Environmental Gradient - (FA44) **\$40,000**
USCRF/National Science Foundation (NSF) - General

Baruch Institute
Quattro, Joseph

Marine Evolutionary Ecotoxicology-Using Genomics and Population Genetic Theory to Infer the Impact of Contaminants on Natural Populations - (FA43) **\$40,018**
SC Sea Grant Consortium/NOAA

Biological Sciences

Hilbish, Thomas

Helmuth, Brian

Wethey, David

Biophysical and Behavioral Agents of Natural Selection in a Hybrid Zone - **\$22,136**
USCRF/National Science Foundation (NSF) - General

Hughes, Austin

Evolution of Immune Recognition and Evasion - (FA52) **\$157,956**
USCRF/National Institute of General Medical Sciences (NIGMS)/HHS

Marton, Laszlo

Remediation of Haloorganic Pollutants with Spartina Alterniflora - (FA53) **\$58,483**
SC Sea Grant Consortium/NOAA

Mousseau, Timothy

Collaborative Research: Reproductive Behavior and Immune Disease - **\$6,000**
USCRF/National Science Foundation (NSF) - General

The Adaptive Significance of Phenotypic Plasticity and Reaction Norm Evolution in a Natural System - (FA05) **\$12,000**
National Science Foundation (NSF) - General

Chemistry & Biochemistry

Shaw, Timothy

Chandler, G. Thomas

A Novel Foraminiferal-Based Method to Determine Sublethal Toxicological Risks of Metal Mixtures in Estuarine Sediments - (FA40) **\$58,020**
SC Sea Grant Consortium/NOAA

Sodetz, James

Structure/Function of Terminal Complement Proteins - (FA39) **\$40,000**
USCRF/National Institutes of Health (NIH) - General

zur Loye, Hans-Conrad

A Joint Francis Marion University/University of South Carolina Program to Synthesize and Characterize New Organic/Inorganic Coordination Framework Materials - (FA20) **\$25,000**
EPSCoR/BRIN/NSF

Subcontract to the NSF Solid State Summer Program at Clemson University - (FJ00) **\$8,713**
USCRF/Clemson University/NSF

Geological Sciences

Goni, Miguel

Student Participation to SECOS Conference - (GA19) **\$7,500**
SC EPSCoR Program

Healey, Stephanie

Thunell, Robert

A 500,000-Year Record of Deep Sea Temperature and Ice Volume Based on Benthic Foraminiferal MG/Ca and $d_{18}O$ - (FA49) **\$23,000**
USCRF/Joint Oceanographic Institutions/NSF

Lakshmi, Venkataraman

Studies of Combined Passive and Active Soil Moisture Sensing - (FA28) **\$41,000**
USCRF/National Aeronautics and Space Administration (NASA)

Talwani, Pradeep

Cooperative Central and Southeast US Integrated Seismic Network - USC - (FA07) **\$75,000**
US Geological Survey/DOI

Thunell, Robert

Collaborative Research: A High Resolution Study of Sea Surface Temperature Variability in the Indo-Pacific Warm Pool - (FA06) **\$91,704**
National Science Foundation (NSF) - General

Isotopic Analysis for Foraminifers for Sediment Cores from the Chesapeake Bay - (FA48) **\$3,055**
USCRF/US Geological Survey (USGS)/DOI

Physics & Astronomy

Avignone, Frank

Next Generation Neutrinoless Double Beta Decay Experiments CUROE/CUORICINO (^{130}Te) and Majorana (^{76}Ge) - (FA15) **\$315,415**
USCRF/National Science Foundation (NSF) - General

Kunchur, Milind

Transport Behavior of Superconductors at High Dissipative Currents - (F129) **\$72,822**
US Department of Energy

Social Work, College of

Social Work, College of

DeHart, Dana

Collaborative Response to Crime Victims in Urban Areas-Faith Based and Secular Victim Services Provided - (FA06) **\$49,600**
USCRF/Maryland Crime Victims Resource Center, Inc./DOJ

Ginsberg, Leon

GA: Medical College of Georgia - (LP18) **\$1,500**
Medical College of Georgia

Social Work, College of

GA: SC Department of Mental Health - (GP15) **\$85,375**
SC Department of Mental Health

GA: Trinity Housing Corporation - (KP65) **\$1,505**
Trinity Housing Corporation

GA: Yahweh Center Children's Village - (KP64) **\$2,010**
Yahweh Center Children's Village

Paget, Kathleen

Enhancing the Use of Survey Data: A Study of Principals' Needs - (GJ05) **\$12,261**
SC Education Oversight Committee

Student Affairs, Division of

Student Health

Gardner, Marcous

Midlands HIV Prevention Collaboration Grant - (FL03) **\$20,000**
USCRF/SC Department of Health & Environmental Control/HHS

University Libraries

Thomas Cooper Library

Singleton, Ben

Preserving Fox Movietone Moving Images, 1927-1929 - (FL01) **\$251,268**
USCRF/National Endowment for the Humanities

Grand Total

\$10,560,386