

SPONSORED PROGRAMS and RESEARCH
Award Activity - April 2002

College of Criminal Justice

Criminal Justice, College of

Miller M.

*An Assessment of Gang Presence and Activities in Richland and
Lexington Counties - (FA04)*
SC Department of Public Safety/DOJ

\$47,796

College of Education

Educational Psychology

Johnson R.

*Development of South Carolina Standards-based Arts Assessment in
Dance and Drama - (GL04)*
SC Department of Education

\$45,000

Seaman M.

The Effects of Arts Education Reform - (GA05)
SC Department of Education

\$11,858

Physical Education

French K.

USDA Summer Feeding Program - (FL01)
SC Department of Social Services/USDA

\$300,000

College of Engineering & Information

Chemical Engineering

Amiridis M.

Parametric Studies of BASF's Purification Catalysts - (J145)
USCRF/BASF Corporation

\$94,319

Popov B.

Electroless Deposition of Zn Silicate Coatings in Presence of Additives -
USCRF/Elisha Technologies Co. LLC

\$26,000

Van Brunt V.

*Solid-Liquid Separation Studies for Two Mixtures of Monosodium
Titanate with Simulated Sludge for Salt Disposition at SRS - (FA00)*
SC Universities Research & Education Foundation (SCUREF)/DOE

\$288,265

Civil & Environmental Engineering

Chaudhry M.

*Hydraulic Modeling of Proposed Bridge over Twelve Mile Creek,
Lancaster County, SC - (JA03)* **\$18,000**
USCRF/The LPA Group Incorporated

Computer Science & Engineering

Fenner S.

Quantum Complexity, Algorithms, and Primitives - (FA07) **\$75,124**
USCRF/Army Research Office/DOD

Huhns M.

GA: SC Department of Health & Environmental Control - (GP04) **\$2,000**
SC Department of Health & Environmental Control

Electrical Engineering

Simin G.

*Solar-Blind AlInGaN Optoelectronic Transistor Arrays (STTRPhase II -
SET Inc) - (FA12)* **\$120,000**
USCRF/Sensor Electronic Technology, Inc./ONR/DOD

AlInGaN-Based Dual Ultraviolet/Infrared Detectors - (FA13) **\$30,000**
USCRF/Sensor Electronic Technology, Inc./ARO/DOD

Mechanical Engineering

Sutton M.

*Development and Application of 3-D Measurement Methodologies at
Reduced Length Scales - (FA21)* **\$239,305**
USCRF/National Science Foundation (NSF) - General

College of Liberal Arts

Archaeology & Anthropology, Institute of

Brooks M.

SRARP Excavation at the SRS PCDF Facility - (FA12) **\$230,000**
US Department of Energy

Smith S.

Consultation for Camden Battlefield - (FA13) **\$13,114**
USCRF/Palmetto Conservation Foundation/DOI

Native American Consultation Spring Meeting Assistance - (GL01) **\$10,030**
SC Army National Guard

Comparative Literature

Miller P.

The Desire of the Analysts: Psychoanalysis and Cultural Criticism in the New Millennium - (FL00) **\$1,200**
SC Humanities Council/NEH

Government & International Studies

Songer D.

Collaborative Research: Fitting More Pieces into the Puzzle of Judicial Behavior: A Multi-Country DataBase and Program of Research - (F138) **\$7,500**
National Science Foundation (NSF) - General

Institute for Southern Studies

DePratter C.

Santa Elena Project - (K103) **\$22,150**
USCRF/Anonymous Sponsor

International Studies, Institute of

Rosati J.

Puchala D.

2002 Fulbright American Studies Institute on US Foreign Policy: Foundations and Formulation - (FL00) **\$181,767**
USCRF/US Department of State

Shin E.

Fulbright Hays Group Project Abroad: Korea and South Carolina - **\$71,000**
USCRF/US Department of Education

Public Service & Policy Research, Institute for

Bryan C.

Center for Bioethics - (L102) **\$45,000**
USC School of Medicine Educ. Trust/Palmetto Health Alliance

Oldendick R.

Carolina SAFE Project - (LL06) **\$21,139**
USCRF/University of North Carolina

College of Pharmacy

Basic Pharmaceutical Sciences

Wang D.

Effects of Dioxins (TCDD) on Cardiac Ion Channels - (FA01) **\$108,000**
National Institute of Environmental Health Sciences/NIH

College of Science and Math

Baruch Institute

Morris J.

LTER: Plum Island Sound Comparative Ecosystem Study - (F107) **\$69,083**
Marine Biological Laboratory/NSF

Quattro J.

Marine Evolutionary Ecotoxicology-Using Genomics and Population Genetic Theory to Infer the Impact of Contaminants on Natural **\$38,791**
SC Sea Grant Consortium/NOAA

Biological Sciences

Benner R.

Organic Matter Preservation: Microbial Contributions and the Role of Tannin - (KA02) **\$80,000**
USCRF/Petroleum Research Fund/ACS

Berger F.

Genetics of the Hepatic Acute Phase Response - (FA30) **\$94,001**
USCRF/Health Research, Inc./NIH

Dewey M.

Mouse Models of Longevity Genes - (F103) **\$100,135**
USCRF/University of Kentucky/NIH

Helmuth B.

Physical Ecology of the Rocky Intertidal: Predicting Patterns in Invertebrate Body Temperatures - (F102) **\$8,625**
National Science Foundation (NSF) - General

Marton L.

Remediation of Haloorganic Pollutants with Spartina Alterniflora - **\$65,000**
SC Sea Grant Consortium/NOAA

Morris J.

Sediment Accretion in North Inlet Salt Marshes - (F197) **\$31,623**
US Geological Survey/DOI

Succession of Tidal Freshwater Wetlands on the Cooper River, SC: Ecological Functions and Management Alternatives - (FA32) **\$65,296**
SC Sea Grant Consortium/NOAA

Biological Sciences

Patel R.

Regulation of Smooth Muscle Proliferation - (F198) **\$216,750**
National Heart, Lung & Blood Institute/NIH

Chemistry & Biochemistry

Dawson J.

Editing: Journal of Inorganic Biochemistry - (J400) **\$4,234**
Elsevier Science, Inc.

Shaw T.

Chandler T.

A Novel Foraminiferal Based Method to Determine Sublethal Toxicological Risks of Metal Mixtures in Estuarine Sediments - (FA19) **\$59,090**
SC Sea Grant Consortium/NOAA

Wuthier R.

Salvatore B.

Total Synthesis of Fusarchromanone and New Analogs for Probing Anti-Cancer Activity - (FA21) **\$20,000**
EPSCoR/BRIN/NSF

zur Loye H.

A Joint Francis Marion University/University of South Carolina Program to Synthesize and Characterize New Organic/Inorganic Coordination Framework Materials - (FA20) **\$20,000**
EPSCoR/BRIN/NSF

Geological Sciences

Goni M.

A Multidisciplinary Approach to Quantify and Model the Transport and Deposition of Organic Pollutants in Coastal Environments - (FA25) **\$80,651**
SC Research Authority/EPA

Lakshmi V.

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

Moore W.

Groundwater-Derived Nitrogen and Phosphorus Inputs to the Satilla River Estuary: Impact on Coastal Ecosystem Health - (FA29) **\$26,390**
SC Sea Grant Consortium/NOAA

Torres R.

Characterization of Estuarine Channel Networks - (FA12) **\$17,500**
National Oceanic & Atmospheric Administration (NOAA)

Geological Sciences

Yogodzinski G.

The Korovin Geological Mapping Project - (FA09) **\$4,537**
US Geological Survey/DOI

Physics & Astronomy

Djalali C.

Jefferson Lab SURA Fellowship: Photoproduction of Vector Mesons Off Nuclei - (FA14) **\$7,200**
SURAJefferson Laboratory/DOE

Statistics

Pena E.

Adaptive Goodness-of-Fit Tests, Recurrent Event Models, and Models with Alternative Time-Scales - (FA03) **\$12,704**
National Science Foundation (NSF) - General

College of Social Work

Social Work, College of

Raymond F.

GA: Trident United Way - (KP34) **\$5,015**
Trident United Way

Institute for Families in Society

Families in Society, Institute for

Andrews A.

Evaluation and Technical Assistance to the Duke Endowment - (K113) **\$250,000**
The Duke Endowment

Hess P.

Technical Assistance in an Initiative to Enhance Policies, Programs, and Practices Related to Visiting of Children in Care - (FA10) **\$21,932**
USCRF/Research Foundation of CUNY/HHS

Technical Assistance in an Initiative to Enhance Policies, Programs and Practices Related to Visiting Children in Care - (FA09) **\$2,285**
USCRF/Research Foundation of CUNY/HHS

Moore School of Business

Business Administration - Division Of Research

Schunk D.

The South Carolina Department of Transportation and its Economic Impact on the State of South Carolina - (FA05) **\$31,253**
SC Department of Transportation/DOT

Norman J. Arnold School of Public Health

Communication Sciences & Disorders

Healy E.

Speech Perception by Normal and Impaired Listeners - (FA00) **\$72,417**
USCRF/National Inst. of Child Health & Human Development/NIH

Environmental Health Sciences

Newman L.

Phytoremediation - (FA33) **\$41,175**
USCRF/University of Washington/NIH

Epidemiology & Biostatistics

Hebert J.

Reducing Disease Risk in Low-Income Postpartum Women - (F113) **\$12,529**
USCRF/Harvard University/NICHD

Mayer-Davis E.

Multi-Ethnic Study of Atherosclerosis-Diet Assessment Center - (F110) **\$136,705**
USCRF/University of Washington/NIH

Look Ahead - (FA16) **\$82,902**
USCRF/Wake Forest/NIH

Health Promotion & Education

Neal A.

National Youth Sports Program - (FL02) **\$20,000**
SC Department of Alcohol & Other Drug Abuse Services/DOJ

Prevention Research Center

Ainsworth B.

Women's Cardiovascular Health Network Project - (KA04) **\$50,000**
USCRF/Saint Louis University/R.W. Johnson Foundation

Shepard D.

CVH Training and Evaluation - (FL03) **\$60,000**
SC Department of Health & Environmental Control/HHS

Regional and Four-Year Campuses

USC Beaufort

Callahan C.

Sponsorship of Milton's Masque/3 Performances - (HL04) **\$11,500**
Beaufort County

USC Beaufort

Chamberlain E.

The Palmetto Electric Trust Library Sponsorship - (KL04) **\$20,000**
Palmetto Electric Trust

VanParreren S.

The Diamondback Terrapin Project - (KL05) **\$4,500**
Anonmyous Sponsor

*The Terrapin Project - A Community-Based Educational Project that
Looks at the Impact of Turtle Excluder Devices in Diamondback Terrapin
(Malaclemys terrapin) and Blue Crab (Callinectes sapidus) Capture -
USCRF/PADI Foundation* **\$5,500**

USC Salkehatchie

Cox R.

Salkehatchie Summer Scholars 2002 - (KL02) **\$28,000**
USCRF/Gaylord & Dorothy Donnelley Foundation

USC Spartanburg

Adair C.

Bridges to Success in Mathematics - (FL11) **\$5,808**
SC Commission on Higher Education/USDE

Love C.

From H.

USDA Food Service Program - Henderson Center - (FL16) **\$5,000**
SC Department of Social Services/USDA

*First Steps Child Care Enhance Application - Henderson Center -
Spartanburg First Steps Region Two* **\$3,571**

Smith C.

Teacher Cadet Grant - (G206) **\$1,393**
SC Center for Teacher Recruitment

Turner J.

Microbiobial Study - (L101) **\$1,800**
Milliken & Company

School of Medicine

Developmental Biology & Anatomy

Borg T.

Dynamic Interaction of ECM and Cardiac Fibroblast - (F177) **\$136,984**
National Heart, Lung & Blood Institute/NIH

Integrin Shedding in the Heart: In vivo and in vitro - (FA08) **\$361,250**
USCRF/National Heart Lung & Blood Institute/NIH

Family & Preventive Medicine

McDermott S.

Developmental Disabilities-Subcontract with DDSN - (FA04) **\$2,000**
SC Department of Disabilities & Special Needs/HHS

The South Carolina Disability and Health Project - (FL02) **\$100,000**
USCRF/Centers for Disease Control/HHS

Internal Medicine

Moloo J.

Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) **\$345**
Vanguard Center - (F102)
University of Texas/NIH

Microbiology & Immunology

Ghaffar A.

Efficacy of the Polymeric Microsphere Encapsulated Vaccine Stimulate **\$23,263**
Antibody Production and Resistance - (FA02)
USCRF/Vasmo, Inc./DOD

Obstetrics & Gynecology

Best R.

South Carolina Neural Tube Defect Surveillance, Prevention, and **\$59,000**
Research Initiative - (F100)
Greenwood Genetic Center/CDC

Research & Special Projects

Faulkner L.

The Dean's Rural Primary Care Clerkship - (K208) **\$200,000**
The Duke Endowment

Fowler S.

South Carolina Consortium for Cardiovascular Disease and Stroke - **\$10,000**
Palmetto Richland Memorial Hospital

SC Consortium for Geriatrics - (L101) **\$7,500**
Palmetto Richland Memorial Hospital

Howe D.

Anti-Smoking Education Program Directed at Pre-Teen Children - **\$7,792**
American Cancer Society

Parenting Skills Home Visitation - (GL03) **\$88,400**
Marlboro County First Steps

Surgery
Bell R.

Trauma Care Surgical Fellowship for South Carolina - (KL00) **\$198,000**
USCRF/Fullerton Foundation

Yost M.

Tissue Engineered Artificial Myocardium - (FA00) **\$155,088**
National Heart, Lung, & Blood Institute/NIH

School of Music

School of Music
Valerio W.

Music Technology Institute - (GJ00) **\$35,937**
Winthrop University/SC Department of Education

School of the Environment

Earth Sciences & Resources Institute
Waddell M.

*Non-Invasive for Determination of the Location & Distribution of
Free-Phase DNAPL's by Science Reflection Techniques - (F142)* **\$174,988**
USCRF/US Department of Energy

School of the Environment

Mousseau T.

Mutation Rates and Fitness in the Barn Swallows of Chernobyl - (FA02) **\$9,000**
USCRF/National Science Foundation - General (NSF)

Vice President for Research

NanoCenter
Khan A.

Nanochemical Resonators for In-Situ Sensors - (FA16) **\$65,200**
USCRF/Jet Propulsion Laboratory/NASA

Grand Total **\$5,579,209**