

SPONSORED PROGRAMS and RESEARCH
Award Activity May 2002

College of Education

Educational Psychology

Huynh H.

SCRA Technical Documentation - (GA06) **\$36,238**
SC Department of Education

Johnson R.

Arts Assessment Institute II: Program Evaluation in the Arts - (GL05) **\$15,782**
Winthrop University

Arts Assessment Institute I: Classroom Assessment in the Arts - (GL06) **\$18,800**
Winthrop University

Instruction & Teacher Education

Baker H.

Writing Improvement Network - (FL08) **\$50,000**
EIA Select Committee/SC Department of Education/USDE

Busching B.

National Writing Project - (F421) **\$28,000**
National Writing Project/USDE

Physical Education

French K.

USDA Summer Feeding Program - (FL01) **\$757,110**
SC Department of Social Services/USDA

School Improvement Council Assistance

Norman J.

School Improvement Council Assistance - (GL02) **\$50,000**
EIA Select Committee

College of Engineering & Information Technology

Chemical Engineering

Balbuena P.

Workshop on First Principles Computational Design of Electro-Chemical Systems - (FA08) **\$1,485**
US Army Research Office/DOD

Chemical Engineering

Gadala-Maria F.

Plan to Increase the Number of Minority Ph.D. Graduates from the Department of Chemical Engineering at USC - (KJ00) **\$2,000**
Alfred P. Sloan Foundation

Papathanasiou T.

Computational Fluid Dynamics Modeling of Coating Flows - (JA08) **\$29,432**
USCRF/Fuji Photo Film, Inc.

Popov B.

Development of Thin Film Membrane Assemblies with Novel Nanostructured Electrocatalysts for Next Generation Fuel Cells - (FA15) **\$240,000**
USCRF/UTC Fuel Cells/DOE

Civil & Environmental Engineering

Chaudhry M.

Technology Transfer Program for SCDOT Resident Construction Engineer Academy - (FA14) **\$220,682**
SC Department of Transportation/DOT

Imran J.

Modeling the Effect of Climatic and Human Impacts on Margin Sedimentation - (FA10) **\$13,858**
Office of Naval Research/DOD

Computer Science & Engineering

Buell D.

Library Development and Experiments using Prototype Reconfigurable Computing Machines - (FA08) **\$326,574**
USCRF/George Washington University/National Security Agency/DOD

Huhns M.

GA: SC Budget and Control Board - (GP05) **\$10,900**
SC Budget & Control Board

Electrical Engineering

Huhns M.

Research Allocation in Dynamic Uncertain Domains - (F168) **\$112,050**
Air Force Research Laboratory/DARPA

Khan A.

High PRF Ultraviolet Detectors Based on Quarternary AlInGaN Layers and Heterojunctions - (FA05) **\$300,000**
National Aeronautics & Space Administration (NASA) - General

Electrical Engineering

Sudarshan T.

Silicon Carbide Growth Modeling, Material Processing and Characterization - (FA14) **\$150,000**
USCRF/Office of Naval Research/DOD

Mechanical Engineering

Deng X.

Investigation of Interfacial Fracture by Molecular Dynamics Simulation - (FA22) **\$30,000**
College of Charleston/SCSGC/NASA

Giurgiutiu V.

Bayoumi A.

Smart Composite Materials for Monitoring Structural Damage - (F178) **\$10,000**
US Egypt Joint Science & Technology Board/NSF

Lyons J.

Ebert C.

GK-12 Engineering Fellowships to Enhance Science Education in South Carolina Schools - (FJ00) **\$50,000**
National Science Foundation (NSF) - General

Sutton M.

NASA Space Grant Consortium Grant - (FA08) **\$5,424**
College of Charleston/SCSGC/NASA

SCAMP

Perkins M.

USC-Campus State Matching Funds - (GA05) **\$10,255**
SC Commission on Higher Education

White R.

South Carolina Alliance for Minority Participation (Phase II) - (F100) **\$1,000,000**
National Science Foundation (NSF) - General

Summer Research Program - State Matching Funds - (GA06) **\$11,088**
SC Commission on Higher Education

Curriculum and Reform - State Matching Account - (GA07) **\$3,116**
SC Commission on Higher Education

Williams A.

Matching Funds from the SC Commission on Higher Education - (GA04) **\$38,584**
SC Commission on Higher Education

College of Journalism & Mass Communications

Journalism & Mass Communications, College of
Collins E.

GA: Ifra Centre for Advanced News Operations - (JP00) **\$2,167**
Ifra Centre for Advanced News Operations

GA: Ifra Centre for Advanced News Operations - (JP01) **\$5,200**
Ifra Centre for Advanced News Operations

College of Liberal Arts

Art

Dunn P.

Arts and Technology Workshops for Visual Arts - (GA00) **\$24,384**
Winthrop University/SC Department of Education

Geography

Dahlman C.

*Remaking Bosnia: The International Community and the Returnee Policy
Process in Three Bosnian Localities - (FA08)* **\$20,000**
National Science Foundation (NSF) - General

Graf W.

Downstream Impacts of Large American Dams - (FA10) **\$13,480**
USCRF/National Science Foundation (NSF) - General

Jensen J.

*Remote Sensing Analysis of Closure Caps of Savannah River Site and Other
Department of Energy Facilities - (FA07)* **\$46,021**
SC Universities Research & Education Foundation/WSRC/DOE

Mock C.

North American Historical Climate Manuscripts Digitizing Project - (FA09) **\$15,000**
National Geophysical Data Center/NOAA

History

Grier K.

GA: SC Department of Archives and History - (GP11) **\$13,540**
SC Department of Archives and History

Schulz C.

GA: SC Department of Archives and History - (GP10) **\$13,540**
SC Department of Archives and History

Taylor C.

The Papers of Henry Laurens - (FA02) **\$7,679**
National Historical Publications

History

Wilson C.

The Papers of John Calhoun - (L108) **\$1,000**
Various Sources

Institute for Southern Studies

Edgar W.

South Carolina Encyclopedia Project - (KA00) **\$119,000**
SC Humanities Council

International Studies, Institute of

Coate R.

Problem Solving and Decision Making in Local Government: Mexico and South Carolina - (FL02) **\$109,343**
USCRF/Department of State

McKissick Museum

Shaiman J.

Recollections of Home/Recuerdos de mi Tierra - (FL00) **\$1,200**
SC Humanities Council/NEH

Psychology

Coleman J.

GABA Receptor Subunits and Neural Excitability - (FA07) **\$71,774**
EPSCoR-BRIN Collaborative Research Program/NIH

Follingstad D.

GA: Department of Juvenile Justice - (GP06) **\$24,000**
SC Department of Juvenile Justice

Kilmann P.

GA: Palmetto Health Alliance - (L713) **\$1,004**
Palmetto Health Alliance

GA: Palmetto Health Alliance - (L711) **\$2,402**
Palmetto Health Alliance

GA: The Nurturing Center - (KP00) **\$422**
The Nuturing Center

GA: Earle E. Morris Alcohol and Addiction Treatment Center - (GP01) **\$24,000**
SC Department of Mental Health

GA: Pacific Institute for Research & Evaluation - (LP06) **\$1,396**
Pacific Institute for Research & Evaluation

Vendemia J.

Psychophysiological Detection of Deception Research - (FA08) **\$221,811**
USCRF/US Department of Defense

Psychology

Wandersman A.

GA: Alternative Consulting, Inc. - (J727) **\$5,746**
Alternative Consulting

GA: Alternative Consulting, Inc. - (J709) **\$2,424**
Alternative Consulting

Public Service & Policy Research, Institute for

Oldendick R.

Pregnancy Risk Assessment Monitoring Systems - (FA05) **\$15,000**
SC Department of Health & Environmental Control/CDC

Trio Programs

Beasley P.

Upward Bound Program - (FL06) **\$452,755**
US Department of Education

College of Library & Information Science

Library & Information Science, College of

Douglas G.

GA: Richland County Public Library - (HP01) **\$9,488**
Richland County Public Library

College of Nursing

Academic & Student Affairs

Bone K.

*Automated Cancer Education Using Information Technology (A.C.E.I.T.) -
(KA01)* **\$2,000**
USCRF/American Cancer Society

College of Pharmacy

Pharmacy Practice

Lachuk L.

An Epidemiological Observational Study of Deep Vein Thrombosis - (JA01) **\$5,000**
USCRF/Bradstreet Clinical Research Associates, Inc

College of Science and Math

Baruch Institute

Allen W.

Watershed Education Resources for Local Schools - (KL00) **\$1,780**
USCRF/International Paper Company

Baruch Institute

Coull B.

Cary T.

Impacts of the Pesticide Fipronil on a Benthic Copepod: Sublethal reproductive Effects and Genetic Variati - (KA08) **\$1,208**
Slocum Lunz Foundation

Dean J.

Shuford R.

Age, Growth and Distribution of Yellowfin Tuna (Tunas Aalbacares) in the Northern Atlantic Ocean - (KA07) **\$1,200**
Slocum Lunz Foundation

Aquatic Habitats Restoration Project, Phase 1 - (GA03) **\$18,900**
Office of the Adjutant General/State Military Department

Fletcher M.

Carolina Coastal Ocean Observing and Predicting System(Caro-COOPS) - (FA28) **\$300,000**
USCRF/National Oceanic & Atmospheric Administration (NOAA)

Johnson W.

Microbial Community Responses to Eutrophication in a Southeastern US Salt Marsh Estuary - (FA13) **\$17,500**
National Oceanic & Atmospheric Administration (NOAA)/DOC

Porter D.

Assistance with Weather Station Management as Part of the NEER Systemwide Monitoring Program - (FA27) **\$8,000**
USCRF/University of NC at Wilmington/NOAA

Biological Sciences

Boggs K.

Understanding the Control of p53 Transcription: A Crucial Factor in the Genesis of Breast Cancer - (FA35) **\$5,000**
US Department of Defense

Mousseau T.

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

Physiological Mechanisms of Muscle Histolysis - (FA33) **\$75,000**
EPSCoR-BRIN Collaborative Research Program/NIH

Nelson J.

Sensitive Plant Species Survey for Poinsett Weapons Range - (FA34) **\$12,192**
US Department of Defense

Center For Science Education

Astwood P.

*South Carolina Middle School Science and Mathematics Teacher
Recruitment, Certification and Retention Program - (FA02)* **\$616,072**
USCRF/National Science Foundation (NSF) - General

Chemistry & Biochemistry

Baynes J.

Role of Lipoxidation in the Pathogenesis of Diabetic Complications - (KA01) **\$2,788**
Juvenile Diabetes Research Foundation

Berg M.

Condensed-Phase Dynamics by Ultrafast Nonlinear Spectroscopy - (FA22) **\$162,950**
USCRF/National Science Foundation (NSF) - General

Dawson J.

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

Dunlap R.

Fellowship Account-Variou - (J248) **\$5,000**
Pfizer

Scrivens W.

Polymeric Fret Probes - (FA25) **\$20,000**
USCRF/University of Calif-L. Livermore/DOE

Shimizu K.

Synthetic Self-Assembling Polyimides - (F175) **\$48,820**
National Science Foundation (NSF) - General

Sodetz J.

Parker C.

*Structural Analysis of the Membrane Binding Domain of Human Complement
Protein C8a - (FA24)* **\$70,988**
EPSCoR-Brin Collaborative Research Program/NIH

Geological Sciences

Benitez-Nelson C.

*Hawaiian Islands Coral Reef Ecosystem: Nutrient Fluxes from Groundwater
and Their Relationship to Land Use - (FA30)* **\$74,459**
USCRF/National Science Foundation (NSF) - General

Kellogg J.

*Structural Modeling, Bloque Boqueron, Upper Magdalena Valley, Colombia -
(JA00)* **\$15,000**
Petrobas Colombia Ltd.

Geological Sciences

Kjerfve B.

Physical Oceanography/Modeling Consultancy, a Component of the Synoptic Monitoring Program (SMP) - (LA01) **\$53,726**
USCRF/World Bank

Knapp J.

Equatorial Guinea Training Support - (KA00) **\$2,880**
USC Educational Foundation

Yogodzinski G.

The Korovin Geological Mapping Project - (FA09) **\$50,410**
USCRF/US Geological Survey/DOI

Mathematics

DeVore R.

Collaborative Research: Compression of Geometry Datasets - (FA02) **\$150,000**
USCRF/National Science Foundation (NSF) - General

Mathematical Analysis for Data and Image Processing - (FA03) **\$70,000**
USCRF/US Army Research Office/DOD

Ghomi M.

Convexity Problems in Submanifold Geometry and Topology - (FA04) **\$97,000**
USCRF/National Science Foundation (NSF) - General

Griggs J.

Szekely L.

Combinatorics with Applications - (F117) **\$55,000**
National Science Foundation (NSF) - General

Physics & Astronomy

Avignone F.

Next Generation Neutrinoless Double Beta Decay Experiments CUROE/CUORICINO (130Te) and Majorana (76Ge) - (FA15) **\$27,000**
USCRF/National Science Foundation (NSF) - General

Kunchur M.

Transport Behavior of Superconductors at High Dissipative Currents - (F129) **\$72,711**
US Department of Energy

Purohit M.

Rosenfeld C.

Experimental Particle Physics - (F117) **\$500,000**
US Department of Energy

Tedeschi D.

Djalali C.

Preedom B.

Study of Nuclear Physics with Intermediate Energy Probes - (F146) **\$103,000**
National Science Foundation (NSF) - General

Statistics

Grego J.

Safety Belt Survey - (GA02) **\$36,500**
NS&G/SC Department of Public Safety

College of Social Work

Social Work, College of

Raymond F.

GA: St. Stephens Ministry - (KP41) **\$3,100**
St. Stephen's Ministry of Augusta, Inc.

GA: Carolina Children's Home - (KP38) **\$3,009**
Carolina Children's Home

GA: SC Chapter National Association of Social Workers - (KP40) **\$3,009**
SC National Association of Social Workers

GA: Hospitality House of the Boone Area, Inc. - (KP35) **\$1,805**
Hospitality House of the Boone Area, Inc.

GA: Town of Kershaw - (HP00) **\$1,113**
Town of Kershaw

GA: Augusta Urban Ministries - (KP42) **\$3,012**
Augusta Urban Ministries

GA: Family Connection of SC, Inc. - (KP43) **\$3,003**
Family Connection of SC, Inc.

GA: Sexual Trauma Services of the Midlands - (KP37) **\$1,506**
Sexual Trauma Services of the Midlands

GA: Beulah Grove Community Resource Center - (KP44) **\$3,009**
Beulah Grove Community Resource Center

GA: The Caring House - Palmetto Richland Memorial Hospital - (LP08) **\$3,009**
The Caring House-PRMH

GA: Senior Primary Care - (LP10) **\$6,018**
Senior Primary Care

GA: Trinity Housing Corporation - (KP39) **\$3,009**
Trinity Housing Corporation

GA: Sylvester Management Corporation - (JP05) **\$1,504**
Sylvester Management Corporation

GA: Family Service Center - (KP36) **\$3,009**
Family Service Center

Wolfer T.

Casebook on Death and Dying in Social Work Practice - (KA01) **\$68,536**
USCRF/Open Society Institute

Social Work, College of
Wright L.

Proposal to Implement a School Social Work Field Unit at Broad River Elementary - (HL01) **\$13,289**
Broad River Elementary

Institute for Families in Society

Families in Society, Institute for
Andrews A.

Continued Technical Assistance to the SC First Steps Office - (GA02) **\$63,781**
SC Office of First Steps

Floyd A.

Growing Home Supportive Housing Planning Grant - (KL02) **\$6,709**
USCRF/Growing Home/Sisters of Charity Foundation

Law School

Law School
Byars W.

Deinstitutionalization of Status Offender - (FA07) **\$190,840**
US Department of Public Safety/DOJ

Wilson R.

Drane W.

Closing the Gaps in the Medicare Assistance Programs for the Low-Income Elderly - (KA00) **\$15,000**
USCRF/The Borchard Foundation Center on Law & Aging

Moore School of Business

Business Administration - Division Of Research
Roefeldt R.

GA: SC Department of Transportation - (GP06) **\$6,265**
SC Department of Transportation

Norman J. Arnold School of Public Health

Environmental Health Sciences
Decho A.

Microbial Observatories: Anhydrophilic, Halotolerant Microbial Mats of San Salvador Island, Bahamas - (FA34) **\$40,279**
USCRF/University of North Carolina/NSF

Feigley G.

Source of Chemical Markers for Bacteria in Indoor Air - (JA00) **\$75,863**
Phillip Morris, USA

Exercise Science

Durstine L.

GA: South Carolina Heart Center - (J705) **\$7,000**
South Carolina Heart Center

Health Administration

Glover S.

GA: Lexington Medical Center - (LP21) **\$1,500**
Lexington Medical Center

GA: Carolina Care Plan, Inc. - (JP15) **\$3,012**
Carolina Care Plan, Inc.

Health Promotion, Education & Behavior

Neal A.

National Youth Sports Program (including Math/Science Program) - (FL03) **\$77,500**
USCRF/National Youth Sports Program/HHS

Sargent R.

GA: Palmetto Health Richland - (LP06) **\$2,500**
Palmetto Health Richland

GA: Companion Health Care - (JP20) **\$2,166**
Companion HealthCare

Vincent M.

*Project Planning & Evaluation of SCDSS Teen Pregnancy Prevention
Initiatives in South Carolina Counties - (FA14)* **\$20,000**
SC Department of Social Services/HHS

Regional and Four-Year Campuses

USC Aiken

Dyer A.

*The Ecology and Population Biology of Chufa, Cyperus Esculentussativus -
(KA02)* **\$17,309**
National Wild Turkey Federation

Pirkle W.

SCUREF/DOE/SRS Joint Faculty Appointment for USC-Aiken - (FA05) **\$40,000**
SC Universities Research & Education Foundation/WSRC/DOE

*Undergraduate Research Program: A Collaborative Effort between the SRS
and USC Aiken - (FA06)* **\$37,568**
SC Universities Research & Education Foundation/DOE

USC Beaufort

Corliss L.

*USC Beaufort Center for Coastal Ecology - St. Philips and Conservation
Projects - (KL07)* **\$50,000**
Turner Foundation, Inc.

USC Salkehatchie

Rice A.

Southern Growth Policies Board - 'Pathways to Prosperity' - (KL03) **\$2,000**
USCRF/Council on Public Policy Education

USC Spartanburg

Predmore R.

Revenue Account for the Maggie's Drawers Program - (L414) **\$920**
Carolina Piedmont Foundation

Turner J.

Microbiobial Study - (L101) **\$1,200**
Milliken & Company

Watershed Ecology Center Education Program - (KL00) **\$5,300**
Carolina Piedmont Foundation

Lake Bowen Watershed Project - (HI02) **\$3,000**
Spartanburg Water System

School of Medicine

Cell Biology & Neurosciences

McDonald A.

Synaptic Organization of the Basolateral Amygdala - (F175) **\$225,638**
National Institute of Neurological Disorders and Stroke/NIH

Developmental Biology & Anatomy

Carver W.

Cardiac Mast Cell: Role in Pathogenesis of Heart Failure - (F180) **\$15,000**
Auburn University/NIH

Internal Medicine

Moloo J.

*Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard
Center - (F102)* **\$75**
University of Texas Health Science Center/NIH

Postic B.

*Performance of Lopinavir/Ritonavir as an Alternative Treatment Option
(PLATO) - (JA05)* **\$2,000**
USCRF/Covance Periapproval Services, Inc.

Internal Medicine

Talwani R.

Performance of Lopinavir/Ritonavir as an Alternate Treatment Option (PLATO) - (JA04) **\$2,650**
USCRF/Covance Periapproval Services, Inc.

Microbiology & Immunology

Fox A.

Source of Chemical Markers for Bacteria in Indoor Air - (JA00) **\$10,000**
Philip Morris USA

Source of Chemical Markers for Bacteria in Indoor Air - (JA00) **\$175,430**
Philip Morris USA

Ghaffar A.

Novel Cellular and Small Animal Models to Selectively Screen for Functional Food and Dietary Supplements Which Delay Fatigue and Enhance Physical Stamina and Mental Alertness - (FA01) **\$170,510**
Clemson University/DOD

Neuropsychiatry

Wright H.

Molecular and Genetic Epidemiology of Autism - (FA00) **\$30,000**
Duke University/NIH

Pathology

Creek K.

HPIV16-Induced TGF-Beta Resistance in Human Keratinocytes - (FA02) **\$257,878**
USCRF/National Cancer Institute/NIH

Pirisi-Creek L.

Packard Biochip DNA Microarray System - (FQ00) **\$200,000**
USCRF/National Center for Research Resources/NIH

Pediatrics/Center for Developmental Disabilities

Schwartz D.

Trial to Assess the Safety and Efficacy of Anastrozole - (KA02) **\$1,750**
The Nemours Children's Clinic

Pharmacology & Physiology

Williams K.

Nurse Anesthetist Traineeships - (FJ02) **\$34,596**
USCRF/Health Resources and Services Administration/HHS

School of the Environment

Earth Sciences & Resources Institute

Waddell M.

*High Resolution Shear-Wave Reflection Seismic Survey at the Fairbanks
Disposal Pit, Fairbanks, Florida - (JA02)*
USCRF/Bay Geophysical

\$33,578

Vice President for Research

Vice President for Research - General

Dunlap B.

Training and Mentoring - BRIN - (FA01)
USCRF/National Center for Research Resources/NIH

\$82,238

Grand Total

\$9,474,067