College of Education

Educational Psychology

Huynh H.

SCRA Technical Documentation - (GA06)
SC Department of Education

Johnson R.

Arts Assessment Institute II: Program Evaluation in the Arts - (GL05)
Winthrop University

Arts Assessment Institute I: Classroom Assessment in the Arts - (GL06)
Winthrop University

Instruction & Teacher Education

Baker H.

Writing Improvement Network - (FL08)
EIA Select Committee/SC Department of Education/USDE

Busching B.

National Writing Project - (F421)
National Writing Project/USDE

Physical Education

French K.

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

School Improvement Council Assistance

Norman J.

School Improvement Council Assistance - (GL02)
EIA Select Committee

College of Engineering & Information Technology

Chemical Engineering

Balbuena P.

Workshop on First Principles Computational Design of Electro-Chemical Systems - (FA08)
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)  
Alfred P. Sloan Foundation  
$2,000

Papathanasiou T.

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

Popov B.

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

Civil & Environmental Engineering
Chaudhry M.

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

Imran J.

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

Computer Science & Engineering
Buell D.

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

Huhns M.

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

Electrical Engineering
Huhns M.

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

Khan A.

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

Sudarshan T.

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

Mechanical Engineering

Deng X.

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

Giurgiutiu V. Bayoumi A.

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

Lyons J. Ebert C.

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

Sutton M.

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

SCAMP

Perkins M.

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

White R.

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

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

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

Williams A.

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

$1,000

**Institute for Southern Studies**

**Edgar W.**

*South Carolina Encyclopedia Project* - (KA00)
SC Humanities Council

$119,000

**International Studies, Institute of**

**Coate R.**

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

$109,343

**McKissick Museum**

**Shaiman J.**

*Recollections of Home/Recuerdos de mi Tierra* - (FL00)
SC Humanities Council/NEH

$1,200

**Psychology**

**Coleman J.**

*GABA Receptor Subunits and Neural Excitability* - (FA07)
EPSCoR-BRIN Collaborative Research Program/NIH

$71,774

**Follingstad D.**

*GA: Department of Juvenile Justice* - (GP06)
SC Department of Juvenile Justice

$24,000

**Kilmann P.**

*GA: Palmetto Health Alliance* - (L713)
Palmetto Health Alliance

$1,004

*GA: Palmetto Health Alliance* - (L711)
Palmetto Health Alliance

$2,402

*GA: The Nurturing Center* - (KP00)
The Nurturing Center

$422

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

$24,000

*GA: Pacific Institute for Research & Evaluation* - (LP06)
Pacific Institute for Research & Evaluation

$1,396

**Vendemia J.**

*Psychophysiological Detection of Deception Research* - (FA08)
USCRF/US Department of Defense

$221,811
Psychology

Wandersman A.

GA: Alternative Consulting, Inc. - (J727)
Alternative Consulting

$5,746

GA: Alternative Consulting, Inc. - (J709)
Alternative Consulting

$2,424

Public Service & Policy Research, Institute for

Oldendick R.

Pregnancy Risk Assessment Monitoring Systems - (FA05)
SC Department of Health & Environmental Control/CDC

$15,000

Trio Programs

Beasley P.

Upward Bound Program - (FL06)
US Department of Education

$452,755

College of Library & Information Science

Library & Information Science, College of

Douglas G.

GA: Richland County Public Library - (HP01)
Richland County Public Library

$9,488

College of Nursing

Academic & Student Affairs

Bone K.

Automated Cancer Education Using Information Technology (A.C.E.I.T.) - (KA01)
USCRF/American Cancer Society

$2,000

College of Pharmacy

Pharmacy Practice

Lachuk L.

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

$5,000

College of Science and Math

Baruch Institute

Allen W.

Watershed Education Resources for Local Schools - (KL00)
USCRF/International Paper Company

$1,780
Baruch Institute

Coull B. Cary T.

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

Dean J. Shuford R.

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

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

Fletcher M.

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

Johnson W.

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

Porter D.

*Assistance with Weather Station Management as Part of the NEER Systemwide Monitoring Program - (FA27)*
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)*
US Department of Defense

Mousseau T.

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

*Physiological Mechanisms of Muscle Histolysis - (FA33)*
EPSCoR-BRIN Collaborative Research Program/NIH

Nelson J.

*Sensitive Plant Species Survey for Poinsett Weapons Range - (FA34)*
US Department of Defense
Center For Science Education
Astwood P.

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

Chemistry & Biochemistry
Baynes J.

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

Berg M.

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

Dawson J.

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

Dunlap R.

Fellowship Account-Various - (J248)
Pfizer
$5,000

Scrivens W.

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

Shimizu K.

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

Sodetz J. Parker C.

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

Geological Sciences
Benitez-Nelson C.

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

Kellogg J.

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

Kjerfve B.

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

Knapp J.

Equitorial Guinea Training Support - (KA00)  
USC Educational Foundation  
$2,880

Yogodzinski G.

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

Mathematics

DeVore R.

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

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

Ghomi M.

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

Griggs J.  
Szekely L.

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

Physics & Astronomy

Avignone F.

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

Kunchur M.

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

Purohit M.  
Rosenfeld C.

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

Tedeschi D.  
Djalali C.  
Preedom B.

Study of Nuclear Physics with Intermediate Energy Probes - (F146)  
National Science Foundation (NSF) - General  
$103,000
Statistics
Grego J.

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

College of Social Work
Social Work, College of
Raymond F.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Wolfer T.

Casebook on Death and Dying in Social Work Practice - (KA01)
USCRF/Open Society Institute
$68,536
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
Roenfeldt 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) South Carolina Heart Center $7,000

Health Administration

Glover S.

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

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

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) Palmetto Health Richland $2,500

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

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) National Wild Turkey Federation $17,309

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 - (H102) $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)*
USCRF/Covance Periapproval Services, Inc.

$2,650

**Microbiology & Immunology**

Fox A.

*Source of Chemical Markers for Bacteria in Indoor Air - (JA00)*
Philip Morris USA

$10,000

*Source of Chemical Markers for Bacteria in Indoor Air - (JA00)*
Philip Morris USA

$175,430

**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)*
Clemson University/DOD

$170,510

**Neuropsychiatry**

Wright H.

*Molecular and Genetic Epidemiology of Autism - (FA00)*
Duke University/NIH

$30,000

**Pathology**

Creek K.

*HPIV16-Induced TGF-Beta Resistance in Human Keratinocytes - (FA02)*
USCRF/National Cancer Institute/NIH

$257,878

**Pirisi-Creek L.**

*Packard Biochip DNA Microarray System - (FQ00)*
USCRF/National Center for Research Resources/NIH

$200,000

**Pediatrics/Center for Developmental Disabilities**

Schwartz D.

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

$1,750

**Pharmacology & Physiology**

Williams K.

*Nurse Anesthetist Traineeships - (FJ02)*
USCRF/Health Resources and Services Administration/HHS

$34,596
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