

SPONSORED PROGRAMS and RESEARCH
Award Activity February 2002

College of Education

Educational Psychology

Seaman M.

Evaluation of Columbia College's Project: A New Approach to Developmental Algebra - (F144) **\$33,364**
Columbia College/NSF

Instruction & Teacher Education

DeFord D.

Reading Recovery Contract for University Training Center (UTC) at Clemson University - (GJ01) **\$21,031**
Clemson University/SC Department of Education

Singer J.

USC-PT3 Consortium to Improve the Technology Education of Pre-Service Teachers - (FJ02) **\$11,571**
US Department of Education

Educative Curriculum: Professional Development Through Curriculum Construction - (FL04) **\$70,994**
SC Commission on Higher Education/USDE

College of Engineering & Information Technology

Chemical Engineering

Popov B.

Corrosion Evaluation of MMFX Reinforcing Steel - (JA05) **\$20,421**
USCRF/MFX Steel Corporation of America

Development of a New Process for Plating Thin Films of ZN-NI-P-X(X-Pb,Bi,Ce,Mo, or Cd (1-5%) Quarternary Alloys on to Steel to Prevent Corrosion and Hydrogen Embrittlement - (KA03) **\$25,000**
American Electroplaters & Surface Finishers Society, Inc.

Civil & Environmental Engineering

Harries K.

Physical Characteristics of Deteriorated RCP Repaired with Epoxy Materials - (JA02) **\$7,226**
USCRF/Warren Environmental, Inc.

Imran J.

Career: Experimental and Numerical Modeling of Flow and Morphology Associated with Meandering Submarine Channels - (FA13) **\$98,478**
USCRF/National Science Foundation (NSF) - General

Computer Science & Engineering

Huhns M.

GA: Jewelrama, Inc. - (JP22) **\$1,225**
Jewelrama, Inc.

Matthews M.

GA: Coastal Science and Engineering, LLC - (JP23) **\$4,101**
Coastal Science & Engineering, LLC

Electrical Engineering

Huhns T.

Research Allocation in Dynamic Uncertain Domains - (F168) **\$35,000**
Air Force Research Laboratory/DARPA

Engineering & Information Technology, College of

White R.

Lead Auditor Course - (GA07) **\$10,000**
SC Manufacturing Extension Partnership

Mechanical Engineering

Baxter S.

CAREER: Effects of Microstructural Randomness in Composite Processing - (F170) **\$12,000**
National Science Foundation (NSF) - General

Darabi J.

A Source-Integrated Micro Cooling Device - (FA20) **\$28,995**
USCRF/Advanced Thermal & Environmental Concepts, Inc./DOD

Lyons J.

Creep and Rupture of Thermoplastics - (J124) **\$39,890**
USCRF/Solvay Advanced Polymers, LLC

Sutton M.

NASA EPSCoR - Year 5 - (FA19) **\$24,056**
National Aeronautics & Space Administration (NASA) - General

College of Journalism & Mass Communications

Journalism & Mass Communications, College of

Holmes C.

The Media and the Message - (KA01) **\$35,044**
USCRF/Lilly Endowment, Inc.

College of Liberal Arts

French & Classics

Day J.

Advanced Placement Teacher Training Institute for French Language - (GL00) **\$7,533**
SC Department of Education

Geography

Jensen J.

Cowen D.

Program for a NASA Affiliated Research Center Program at the University of South Carolina - (F165) **\$100,000**
National Aeronautics & Space Administration (NASA) - General

History

Wilson C.

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

Institute for Southern Studies

DePratter C.

Santa Elena Project - (K103) **\$25,346**
USCRF/Anonymous

McKissick Museum

Swager K.

Palmetto Silver: Rags to Riches - (GA00) **\$12,320**
SC Humanities Council

Psychology

Follingstad D.

GA: Department of Family & Preventive Medicine - (LP05) **\$2,000**
Family & Preventive Medicine

Kelly S.

Alcohol Exposure, Social Behavior and Development - (FA06) **\$316,684**
USCRF/National Institute on Alcohol Abuse & Alcoholism/NIH

Richards J.

Development of Sustained Attention in Infants - (FA04) **\$256,095**
USCRF/National Institute of Child Health & Human Development/NIH

Traxler M.

Working Memory Effects in Sentence Comprehension - (FA05) **\$97,790**
USCRF/National Institute of Child Health & Human Development/NIH

Public Service & Policy Research, Institute for
Bryan C.

Center for Bioethics - (L102) **\$45,000**
USC School of Medicine Educational Trust

College of Pharmacy

Basic Pharmaceutical Sciences

Zhu B.

Modulation of Estrogen Metabolism in Human Mammary Cells by Dietary Chemicals - (KA01) **\$135,962**
USCRF/American Institute for Cancer Research

Pharmacy & Health Outcomes Sci.

Reeder C.

Fellowship in Pharmacoeconomics and Health Outcomes Research - (JA02) **\$20,118**
GlaxoSmithKline Pharmacoeconomics

College of Science and Math

Baruch Institute

Lewitus A.

A Proposed Harmful Algal Bloom Initiative for South Carolina: Assessing the Potential Environmental Impacts of Red Tides, Pfiesteria, and Toxic Algae - (FA23) **\$135,858**
SC Department of Natural Resources/NOAA

Biological Sciences

Ely B.

REU Site: Undergraduate Research in Integrative Evolutionary Biology - (FA21) **\$11,742**
USCRF/National Science Foundation (NSF) - General

Helmuth B.

Symposium: Physiological Ecology of Rocky Intertidal Organisms - (FA25) **\$2,000**
USCRF/National Science Foundation (NSF) - General

Latitudinal Patterns of Thermal Stress: Linking Physiology, Ecology and Global Climate Change - (KA01) **\$20,050**
USCRF/National Geographic Society

Biological Sciences

Hughes A.

Evolution of Immune Recognition and Evasion - (F194) \$42,078
National Institute of General Medical Sciences/NIH

Marton L.

Enhancement of Phytoremediation at the TNX Outfall Delta Using Elite Hyper-Accumulator Plant Lines Generated from Local Fern Species - (FA03) \$53,556
SC Universities Research & Education Foundation/DOE

Morris J.

Coastal Wetland Indicators - (FA17) \$227,952
USCRF/University of North Carolina/EPA

Vance V.

Regulation of Post-Transcriptional Gene Silencing - (FA09) \$209,525
National Institute of General Medical Sciences/NIH

Chemistry & Biochemistry

Berg M.

Ultrafast DNA Dynamics Using Novel Photophysical Probes - (FA03) \$193,160
National Institute of General Medical Sciences/NIH

Dawson J.

Editing: Journal of Inorganic Biochemistry - (J400) \$5,668
Elsevier Science

Geological Sciences

Kellogg J.

Structural Modeling, Bloque Boqueron, Upper Magdalena Valley, Colombia - (JA00) \$8,415
Petrobras Colombia, Ltd.

Knapp J.

Equatorial Guinea Training Support - (KA00) \$5,532
USC Educational Foundation

Thunell R.

Collaborative Research: A High Resolution Study of Sea Surface Temperature Variability in the Indo-Pacific Warm Pool - (FA06) \$93,230
National Science Foundation (NSF) - General

Torres R.

Coastal Wetland Indicators - (FA15) \$71,684
USCRF/University of North Carolina/EPA

Physics & Astronomy

Blanpied G.

Professional Development in Discovery-Based Physical Science Laboratory and Demonstration - (FJ00) **\$34,776**
SC Commission on Higher Education/USDE

Johnson J.

Development of a South Carolina Statewide Prosecution Case Management System - (FA11) **\$189,930**
SC Commission on Prosecution Coordination/SCDOT/DOPS

Statistics

Grego J.

Evaluation of HBCU-UP Planning Grant - (FA07) **\$1,500**
USCRF/Benedict College/NSF

College of Social Work

Social Work, College of

Wright L.

AECF Consultation - (KL02) **\$16,852**
USCRF/Annie E. Casey Foundation

Social Work Training for DSS Staff and Agents - (FJ03) **\$100,000**
SC Department of Social Services/HHS

It's OK to Wait - (FA05) **\$20,000**
SC DHEC Pee Dee Health District/HHS

Dying Well-An Interfaith Approach for Community Volunteers - (KL03) **\$60,000**
SC Hospital Association

Darla Moore School of Business

Business Administration - Division Of Research

Roefeldt R.

GA: City of Columbia-Office of Economic Development - (HP01) **\$1,004**
City of Columbia-Office of Economic Development

GA: SunBelt Golf Development - (JP44) **\$1,092**
Sunbelt Golf Development

GA: Resource Bancshares Mortgage Group - (JP29) **\$2,500**
Resource Bankshares Mortgage Group

GA: The Norton Group - (JP25) **\$1,025**
The Norton Group

GA: ALTEC Laundry Equipment, LLC - (JP42) **\$1,005**
Altec Laundry Equipment

Business Administration - Division Of Research

<i>GA: Carolina First Bank - (JP21)</i> Carolina First Bank	\$2,550
<i>GA: American Red Cross - (KP01)</i> American Red Cross	\$2,000
<i>GA: Wateree Dive Center, Inc. - (JP51)</i> Wateree Dive Center, Inc.	\$1,004
<i>GA: Conita Technologies - (JP50)</i> Conita Technologies	\$3,166
<i>GA: Grier Law Firm - (JP52)</i> The Grier Law Firm	\$2,110
<i>GA: American Civil Liberties Union - (KP04)</i> American Civil Liberties Union	\$1,206
<i>GA: Investment Services Corporation - (JP47)</i> Investment Services Corporation	\$10,000

Division of Student Affairs

Student Health

Phaup T.

<i>Grant to Combat Violent Crimes Against Women on Campus - (F402)</i> Office of Justice Programs/DOJ	\$230,143
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English Program for Internationals

English Program For Internationals

Rowe A.

Perkins M.

<i>Professional Development Seminar for Teachers of English and American Studies from Kazakhstan and Russia - (FJ01)</i> USCRF/American Councils for International Education/DOS	\$265,492
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Institute for Families in Society

Families in Society, Institute for

Flerx V.

<i>Pee Dee Area Legal Services Enhancement - (FA07)</i> USCRF/Pee Dee Coalition Against Domestic & Sexual Violence/DOJ	\$35,000
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Motes P.

<i>Disproportionate Minority Confinement (DMC) Project (3) - (FA06)</i> SC Department of Public Safety/DOJ	\$102,894
<i>Disproportionate Minority Confinement (DMC) Project (2) - (FA05)</i> SC Department of Public Safety/DOJ	\$14,276
<i>Disproportionate Minority Confinement (DMC) Project (1) - (FA04)</i> SC Department of Public Safety/DOJ	\$77,654

Norman J. Arnold School of Public Health

Environmental Health Sciences

Porter D.

Establishment of an Internship Program between ENHS and Richland County - (HA01) **\$26,031**
Richland County

Epidemiology & Biostatistics

Cornman C.

To Provide Technical Assistance, Training Materials, and Development and Evaluation of the Real Choice Systems Change Grant - (FL00) **\$440,322**
SC Department of Health & Human Services/HHS

Hebert J.

Adolescent Women Dietary/Physical Activity Recall Project - (FA15) **\$113,616**
USCRF/Emory University/NIH

Exercise Science

Carson J.

Smooth Muscle Gama-actin Gene Activation by RhoA: A Potential Role in Smooth Muscle Mechanical Signaling - (K149) **\$40,000**
American Heart Association

Davis M.

Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - (J120) **\$25,000**
Quaker Oats

Health Administration

Probst J.

GA: Companion Health Care - (JP14) **\$3,584**
Companion Health Care

Health Promotion & Education

Richter D.

Enhancing CBO Capacity for HIV Prevention - (FA12) **\$540,890**
USCRF/Association of Schools of Public Health/CDC

Sargent R.

GA: SC Campaign to Prevent Teen Pregnancy - (KP04) **\$2,500**
SC Campaign to Prevent Teen Pregnancy

GA: Carolina Care - (JP14) **\$3,000**
Carolina Care

GA: South Carolina Campaign to Prevent Teen Pregnancy - (KP03) **\$3,600**
SC Campaign to Prevent Teen Pregnancy

Prevention Research Center

Ainsworth B.

SIP 14-01: Toward Comprehensive Nutrition and Physical Activity Surveillance - (FA27) **\$19,190**
USCRF/Harvard School of Public Health/CDC

Pate R.

Evaluation of the Active for Life Program - (KA03) **\$376,416**
USCRF/Robert Wood Johnson Foundation

Regional and Four-Year Campuses

USC Aiken

Gregg P.

Middle School Science and Mathematics Project - (FL10) **\$60,339**
SC Commission on Higher Education/USDE

Hanlin H.

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

USC Beaufort

Chamberlain E.

The Beaufort Fund USC Beaufort Library Sponsorship - (KL02) **\$5,000**
The Community Foundation, Inc.

Sproul G.

Inquiry-Based Science in a Coastal Learning Environment - (FJ00) **\$46,628**
SC Commission on Higher Education/USDE

Yanker M.

National Reconstruction Heritage Area Feasibility Study - (FL04) **\$10,000**
SC Humanities Council/NEH

USC Spartanburg

Adair C.

Bridges to Success in Mathematics - (FL11) **\$33,048**
SC Commission on Higher Education/USDE

Duarte V.

Reed T.

Preparing Pre-Service Teachers for Diverse Communities - (FL14) **\$2,000**
SC Department of Education/USDE

Love C.

Hope VI Henderson Child Care Center - (FL10) **\$424,989**
Spartanburg Housing Authority/HUD

USC Spartanburg

Pae H.

Learning Disability Collaborative - (FL13) **\$2,000**
SC Department of Education/USDE

Shelly A.

Washburn S.

PDS Partnerships - (FL12) **\$2,000**
SC Department of Education/USDE

Turner J.

Microbiobial Study - (L101) **\$930**
Milliken & Company

School of Medicine

Developmental Biology & Anatomy

Borg T.

Administrative Core (COBRE) - (FA07) **\$40,528**
USCRF/Medical University of South Carolina/NIH

Family & Preventive Medicine

McDermott S.

Data Management and Biostatistics for "Steps to Your Health Program" - (GL02) **\$15,000**
SC Department of Disabilities & Special Needs

Internal Medicine

Moloo J.

Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard Center - (F102) **\$970**
University of Texas/NIH

Neuropsychiatry

Wilson J.

Interim Executive Director, Catawba Mental Health Center - (GL01) **\$72,000**
SC Department of Mental Health

Pediatrics/Center for Developmental Disabilities

Peters R.

Novo Nordisk SimpleXx 2051 - (JA00) **\$6,600**
Novo Nordisk Pharmaceuticals

Pharmacology & Physiology

Wolf M.

Doxorubicin, Ceramide abnd Oxidativestress-Induced Endothelial Dysfunction - (KA02) **\$10,000**
USCRF/SC Institute for Medical Education & Research

Research & Special Projects

Fowler S.

SC Consortium for Geriatrics - (LI01) **\$7,500**
Palmetto Richland Memorial Hospital

South Carolina Consortium for Cardiovascular Disease and Stroke - (LI00) **\$10,000**
Palmetto Richland Memorial Hospital

South Carolina Cancer Center

Fowler S.

Lamb L.

Targeted Monoclonal Antibody Therapy for Acute Lymphoblastic Leukemia - (KA02) **\$15,046**
SC Cancer Center

Surgery

Nottingham J.

Clinical Protocol for Multi-Center, Double-Blind, Randomized Study of the Efficacy and Safety of a Single Dose of IV Parecoxib Sodium Followed by Up to Seven Days of Oral Valdecoxib for the Pain Following Laparoscopic Cholecystectomy - (JA00) **\$47,950**
Quintiles Pacific, Inc.

School of the Environment

Earth Sciences & Resources Institute

Kloot R.

Shafer J.

Natural Resources and Conservation Decision - Support System - (F144) **\$450,000**
USDA Natural Resources Conservation Service

School of the Environment

Coull B.

Sustainable Universities Initiative - (K101) **\$250,000**
USC Education Foundation/Kann Rasumssen Fdn.

University Libraries

Thomas Cooper Library

Chesnutt D.

Model Editions Partnership - (FA02) **\$175,382**
USCRF/National Archives and Records Administration

Grand Total

\$7,043,817