

SPONSORED PROGRAMS and RESEARCH
Award Activity July 2002

College of Criminal Justice

Criminal Justice, College of

Baker, Danny

GA: SC Department of Public Safety - (GP01) **\$24,447**
SC Department of Public Safety

College of Education

Educational Psychology

Brown, William

Preparation of Leadership Personnel - (FJ00) **\$198,407**
US Department of Education

Hult, Richard

*A Study of Professional Development Schools: Student Achievement;
Teacher Quality and Teacher Recruitment and Retention - (LA00)* **\$2,796**
National Education Association

Seaman, Michael

GA: Educational Oversight Committee - (GP01) **\$12,550**
Educational Oversight Committee

Instruction & Teacher Education

Baker, Hannah

Writing Improvement Network - (GL08) **\$252,158**
SC General Assembly/EIA/SC Dept. of Education

College of Engineering & Information

Chemical Engineering

Matthews, Michael

*Enhanced Learning in Undergraduate Education: A Research
Communications Studio - (FA18)* **\$375,003**
USCRF/National Science Foundation (NSF) - General

Processing the Materials for Improved Biocompatibility - (FA17) **\$489,414**
USCRF/National Institute of Biomedical Imaging & Bioengineering/HHS

Computer Science & Engineering

Huhns, Michael

GA: NetGen Learning Systems, Inc. - (JP26) **\$7,040**
NetGen Learning Systems, Inc.

GA: SC National Guard - (GP06) **\$5,700**
SC National Guard

Mechanical Engineering

Chao, Yuh

Spot Weld Testing - (JA12) **\$50,000**
USCRF/General Motors Corporation

Khan, Jamil

*Computational Investigation of the Combustion Process of Micro
Turbines - (JA11)* **\$7,468**
USCRF/Doty Scientific, Inc.

Lyons, Jed

Ebert C.

*GK-12 Engineering Fellowships to Enhance Science Education in South
Carolina Schools - (FJ00)* **\$354,083**
National Science Foundation (NSF) - General

College of Liberal Arts

History

Gerth, Karl

*Nationalizing Consumer Culture: Products and Patriotism in Modern
China - (KA00)* **\$24,000**
USCRF/Chiang Ching-Kuo Fdn for International Scholarly Exchange

Taylor, C. James

The Papers of Henry Laurens - (FA02) **\$66,114**
USCRF/National Archives and Records Admin.

Weyeneth, Robert

GA: USDA Forest Service - (FP00) **\$1,506**
USDA Forest Service

South Carolina Department of Archives and History - (GP14) **\$4,523**
SC Department of Archives and History

Wilson, Clyde

The Papers of John C. Calhoun - (FA03) **\$2,916**
USCRF/National Archives & Records Administration

McKissick Museum

Taylor, Saddler

A Soldier's Legacy - (GA01) **\$3,000**
SC Arts Commission

Psychology

Booze, Rosemarie

HIV/Cocaine Neurotoxicity in Females - (FA11) **\$30,000**
USCRF/National Institute on Drug Abuse/NIH

Psychology

Follingstad, Diane

<i>GA: Wings for Kids - (KP03)</i> Wings for Kids	\$12,000
<i>GA: Columbia Behavioral Health System - (GP09)</i> SC Department of Mental Health	\$15,000
<i>GA: Pacific Institute for Research & Evaluation - (LP06)</i> Pacific Institute for Research & Evaluation	\$1,396
<i>GA: Palmetto Health Alliance - (L713)</i> Palmetto Health Alliance	\$11,050
<i>GA: Richland County School District One - (HP06)</i> Richland County School District One	\$18,000
<i>GA: The Nurturing Center - (KP02)</i> The Nurturing Center	\$2,500
<i>GA: The Nurturing Center - (KP04)</i> The Nurturing Center	\$12,000
<i>GA: The Nurturing Center - (KP05)</i> The Nurturing Center	\$12,000

Kilmann, Peter

<i>GA: Palmetto Health Alliance - (LP08)</i> Palmetto Health Alliance	\$48,000
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Nagle, Richard

<i>GA: Richland County School District One - (HP05)</i> Richland School District One	\$13,500
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Schatz, Jeffrey

<i>GA: Palmetto Health Alliance - (LP09)</i> Palmetto Health Alliance	\$12,510
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Wandersman, Abraham

<i>GA: Alternative Consulting, Inc. - (J727)</i> Alternative Consulting	\$4,597
<i>Web-based IT Solution for Outcome-Based Prevention - (FA10)</i> USCRF/Kit Solutions/NIH	\$7,000

Public Service & Policy Research, Institute for

Landry H.

<i>Implementation of a Nonpoint Education for Municipal Officials (NEMO) Program - (GL02)</i> Hazardous Waste Management Research Fund	\$6,865
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Public Service & Policy Research, Institute for
Landry, Heather

*Implementation of a Nonpoint Source Education for Municipal Officials
(NEMO) Program - (F117)* **\$14,336**
SC Sea Grant Consortium/SCDHEC/NOAA

Oldendick, Robert

*Region 4 Department of Defense Pollution Prevention Partnership -
USCRF/Department of the Army/CERL* **\$1,815,360**

Religious Studies

Evans, Carl D.

Reference and Research for Encyclopedia of Hinduism - (K100) **\$25,000**
India Heritage Research Foundation

Sociology

Thye, Shane

Markovsky, Barry

Willer, David

Status Processes in Social Exchange Networks - (FA02) **\$90,424**
USCRF/National Science Foundation (NSF) - General

**College of Mass Communications &
School of Library & Information Sciences**
Williams, Robert

Georgia Public Library History Project - (LA00) **\$2,865**
USCRF/Ocmulgee Regional Library System

College of Nursing

Academic & Student Affairs

Loquist, Renatta

Colleagues in Caring - (L101) **\$2,000**
Various Sources

Murdaugh, Carolyn

Health Promotion/Risk Reduction in Special Populations - (F100) **\$300,871**
National Institute for Nursing Research/NIH

Family & Community Health Nursing

Adkins, Alice

Advanced Education Nursing Traineeship Program - (FJ01) **\$59,831**
Health Resources and Services Administration (HRSA)/HHS

Fuller, Sara

Expanded Primary Care Services to an Urban Area - (FJ02) **\$173,881**
Health Resources and Services Administration (HRSA)/HHS

College of Pharmacy

Basic Pharmaceutical Sciences

Zhu, Bao

Endogenous Estrogen-Fatty Acid Esters: Mammary-Selective Hormones and Carcinogens - (KA03) **\$161,250**
USCRF/American Cancer Society

Palmetto Poison Center

Michels, Philip J.

South Carolina Poison Center Certification Project - (FL01) **\$210,990**
Health Resources and Services Administration/HHS

Pharmacy & Health Outcomes Sci.

Dickson, W. Michael

Schizophrenia Treatment in the SC Medicaid Program - (JA03) **\$14,500**
USCRF/Washington State University/Janssen Pharmaceutica, Inc.

College of Science and Math

Baruch Institute

Bushek, David

Aquatic Nuisance Species Task Force - Using the National Estuarine Research Reserve - (FA30) **\$10,000**
USCRF/National Oceanic and Atmospheric Administration/DOC

Urbanization and Southeastern Estuarine Systems - (FA33) **\$49,274**
SC Sea Grant Consortium/NOAA

Dean, John

GA: SC Sea Grant - (GP04) **\$8,000**
SC Sea Grant Consortium

DeLorenzo, Marie

Effects of a Lipid-Regulating Drug on Estuarine Organisms - (FA31) **\$7,983**
SC Sea Grant Consortium/NOAA

Fletcher, Madilyn

Carolina Coastal Ocean Observing and Predicting System (Caro-COOPS) - (FA28) **\$2,283,300**
USCRF/National Oceanic & Atmospheric Administration (NOAA)

Lewitus, Alan

Urbanization and Southeastern Estuarine System - (FA34) **\$57,931**
SC Sea Grant Consortium/NOAA

Porter, Dwayne

Urbanization and Southeastern Estuarine Systems - (FA32) **\$174,059**
SC Sea Grant Consortium/NOAA

Biological Sciences

Benner, Ronald

Sources, Abundance, and Transformations of Amino Sugars in Marine Organic Matter - (FA02) **\$150,000**
National Science Foundation (NSF) - General

Hauswaldt S.

Use of Diamondback Terrapin (Malaclemys Terrapin) as a Biological Indicator for Chemical Pollution of South Carolina Estuaries - (FA16) **\$17,500**
National Oceanic & Atmospheric Administration/DOC

Helmuth, Brian

Physical Ecology of the Rocky Intertidal: Predicting Patterns in Invertebrate Body Temperatures - (F102) **\$16,950**
National Science Foundation (NSF) - General

Vogt, Richard

Expression of Olfactory SNMPs in Drosophila Melanogaster and Manduca Sexta - (FA37) **\$106,221**
USCRF/National Science Foundation (NSF) - General

Chemistry & Biochemistry

Adams, Richard

Journal of Organometallic Chemistry - (J401) **\$12,000**
Elsevier Science, Inc.

Baynes, John

Role of Lipoxidation in the Pathogenesis of Diabetic Complications - Juvenile Diabetes Research Foundation **\$134,874**

Berg, Mark

Development of a 2D Vibrational Spectrometer for Materials Characterization Based on NMR Analogs - (FA27) **\$500,694**
USCRF/National Science Foundation (NSF) - General

Chen, Donna

New Catalysts for the Destruction of Chemical Warfare Agents - (FA00) **\$50,000**
US Army Materail Command/DOD

Thorpe, Suzanne

Immune Mechanisms of Micro/Macrovascular Disease in Type 1 Diabetes - (KA06) **\$54,869**
USCRF/MUSC/Juvenile Diabetes Foundation

Geological Sciences

Knapp, James

Owens T.

Equitorial Guinea Training Support - (KA00) **\$1,400**
USC Educational Foundation

Geological Sciences

Reflections Under the Scottish Highlands (RUSH II): A Broadband Investigation of the Extent and Origin of Upper Mantle Reflectors in Scotland - (FA00) **\$52,570**
National Science Foundation (NSF) - General

Lakshmi, Venkataraman

The Influence of Land-Atmosphere Interactions on Variability of the North American Monsoon - (F183) **\$65,444**
National Aeronautics & Space Administration/DOC

Owens, Thomas

South Carolina Earth Physics Project - (GA17) **\$67,499**
SC Commission on Higher Education

Prokopenko, Alexander Williams D.

SGER: Formation Time and Past Changes in the Atmospheric Circulation System over Northwest Mongolia--A Pilot Study of Lake Hovsgol Sedimentary Proxy Records - (FA33) **\$11,856**
USCRF/National Science Foundation (NSF) - General

Styles, Richard

An Investigation of the Validity of the Stratified Flow Analogy for Suspended Sediments in Combined Wave and Current Flows - (FA32) **\$96,503**
USCRF/Rutgers University/NOAA

Thunell, Robert Goni, Miguel

Collaborative Research: Particulate Organic Carbon Fluxes and Sediment Accumulation in the Cariaco Basin - (FA24) **\$144,286**
USCRF/National Science Foundation (NSF) - General

Physics & Astronomy

Anandan, Jeeva

Amplification of Weak Signals Using Weak Measurements and Quantum Computation - (FA21) **\$27,492**
USCRF/Office of Naval Research

Avignone G.

Next Generation Neutrinoless Double Beta Decay Experiments CUORE/CUORICINO (¹³⁰Te) and Majorana (⁷⁶Ge) - (FA15) **\$110,900**
USCRF/National Science Foundation (NSF) - General

Myhrer, Fred Kubodera, Kuniharu

Theoretical Studies of Hadronic and Nuclear Dynamics - (FA20) **\$120,000**
USCRF/National Science Foundation (NSF) - General

Science & Math Administration

Crawley, Gerard

<i>Graduate Assistance in Areas of National Need Fellowship Program: Recruiting Talented Students from Underrepresented Groups (Physics) - US Department of Education</i>	\$115,668
<i>Graduate Assistance in Areas of National Need/Biology- Biochemistry - US Department of Education</i>	\$173,502
<i>Graduate Assistance in Areas of National Need/Mathematics and Statistics - (F203) US Department of Education</i>	\$144,585
<i>Recruiting Talented Students from Underrepresented Groups into Computer Science - (F202) US Department of Education</i>	\$115,668
<i>Recruiting Talented Students from Underrepresented Groups into Geology and Marine Science - (F204) US Department of Education</i>	\$115,668

Statistics

Pena, Edsel

Lynch J.

Padgett W.

<i>Adaptive Goodness-of-Fit Tests, Recurrent Event Models, and Models with Alternative Time-Scales - (FA03) National Science Foundation (NSF) - General</i>	\$82,500
<i>GA: Arcadia Analytics, LLC - (JP00) Arcadia Analytics, LLC</i>	\$8,201
<i>International Conference in Reliability and Survival Analysis 2003 - USCRF/National Science Foundation (NSF) - General</i>	\$15,000

College of Social Work

Social Work, College of

Ginsberg, Leon

<i>GA: Central Carolina Community Foundation - (KP51) Central Carolina Community Foundation</i>	\$5,440
<i>GA: CNC Access - (JP08) CNC Access</i>	\$3,009
<i>GA: Gift of Life Trust Fund - (KP52) Gift of Life Trust Fund</i>	\$3,500
<i>GA: Hospice Care of South Carolina - (LP11) Hospice Care of South Carolina</i>	\$3,370
<i>GA: New Foundations Children and Family Services - (KP54) New Foundations Children & Family Services</i>	\$3,009
<i>GA: Pendleton Place Children's Shelter - (LP12) Pendleton Place Children's Shelter</i>	\$3,009

Social Work, College of

GA: Salvation Army - (KP55) **\$15,060**
Salvation Army

*GA: SC Department of Mental Health (Division of Behavioral
Healthcare) - (GP11)* **\$3,015**
SC Department of Mental Health

GA: Sylvester Management Corporation - (JP07) **\$3,009**
Sylvester Management Corporation

GA: The Carolinas Center for Hospice and End of Life Care - (LP14) **\$3,018**
Carolinas Center for Hospice and End of Life Care

GA: The Nurturing Center - (KP53) **\$3,009**
The Nurturing Center

Raymond, Frank

GA: The Town of Kershaw - (HP01) **\$16,722**
The Town of Kershaw

GA: Three Rivers Behavioral Health - (JP06) **\$6,377**
Three Rivers Behavioral Science

Wright, Lois

The Purchase of Educational Services to Acquire an MSW Degree - **\$200,000**
SC Department of Social Services

Division of Student Affairs

Student Life

Gant, Rick

*A Randomized Study of Two Approaches to Reducing High-Risk
Drinking During College Students' 21st Birthday Celebrations - (FA00)* **\$112,277**
US Department of Education

Institute for Families in Society

Families in Society, Institute for

Lopez-DeFede, Ana

South Carolina Medically Fragile Children's Program - (FA02) **\$974,876**
SC Department of Health & Human Services/HHS

Moore School of Business

Business Administration - Division Of Research

McInnes, Melayne

*Collaborative Research: Choosing Among Risk Alternatives: An
Experiemental Investigation of the Impact of Insurance Markets on
Decision-Making Biases - (FA06)* **\$75,485**
USCRF/National Science Foundation (NSF) - General

Business Administration - Division Of Research

Schunk, Donald

Economic Impact of Beer Industry - (KA04) **\$15,021**
SC Beer Association

Norman J. Arnold School of Public Health

Center for Health Services & Policy Research

Haddock, K. Sue

Childrens' Behavioral Health Services Outcomes Pilot - (FA01) **\$129,477**
SC Department of Health & Human Services/HHS

Murday D.

Evaluation of the Medicaid Family Planning Waiver, SFYs 1995-2001 - **\$40,615**
SC Department of Health & Human Services/HHS

Murday, David

South Carolina Traumatic Brain Injury (TBI) State Planning Federal Grant Project - (FL02) **\$50,000**
SC Department of Disabilities & Special Needs/HRSA/HHS

Woods, John

Reward Health Care Research Services Contract - (JA00) **\$10,000**
USCRF/Reward Health Care

Environmental Health Sciences

Feigley, Charles

Graduate Education in Industrial Hygiene - (FJ03) **\$4,000**
National Institute for Occupational Health & Safety

Epidemiology & Biostatistics

Hebert, James

Purchase and Provision of Services to Maintain the Alzheimer's Disease Registry and to Provide Educational Training and Program Development and Evaluation - (FA07) **\$30,000**
SC Department of Health and Human Services/HHS

Lane, Marcia

Quality Assurance for Aging - (FL01) **\$36,094**
SC Department of Health & Human Services/HHS

Exercise Science

Davis, J. Mark

Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - (J120) **\$57,838**
Quaker Oats

Exercise Science

Sirard, John

Non-Motorized Transportation to School and Physical Activity in Fifth Grade Students - (KA05) **\$2,500**
USCRF/LifeUSCRF/Life Fitness Academy

Health Administration

Samuels, Michael

GA: South Carolina Campaign to Prevent Teen Pregnancy - (LP23) **\$2,407**
SC Campaign to Prevent Teen Pregnancy

Health Promotion, Education & Behavior

Parra-Medina, Deborah

USC STEP UP - (KA02) **\$49,934**
USCRF/Association of Schools of Public Health/Lega

Richter, Donna

GA: Baromedical Research Foundation - (KP05) **\$4,200**
Baromedical Research Foundation

GA: Senior Primary Care Practice - (LP08) **\$6,000**
Senior Primary Care Practice

Sargent, Roger

GA: Carolina Care - (JP14) **\$1,000**
Carolina Care

GA: Senior Primary Care Practice - (LP07) **\$1,500**
Senior Primary Care Practice at Palmetto Richland

Prevention Research Center

Shepard D.

Healthy Schools Evaluation and Technical Assistance - (FL04) **\$7,000**
SC Department of Education/HHS

Office of the Provost

TRIO Programs

Beasley, Paul

Educational Opportunity Center - (FL07) **\$419,443**
USCRF/US Department of Education

Upward Bound Program - (FL06) **\$12,115**
US Department of Education/USDE

Regional and Four-Year Campuses

USC Aiken

Pirkle, William

*Undergraduate Research Program: A Collaborative Effort between the
SRS and USC Aiken - (FA06)* **\$23,590**
SC Universities Research & Education Foundation/DOE

USC Beaufort

Brunelli, Leslie

Performing Arts Center Theatre Project - (HL05) **\$13,000**
City of Beaufort

USC Lancaster

Bailey, Thelathia

Student Support Services - (FL04) **\$237,947**
US Department of Education

Upward Bound - (FL03) **\$217,487**
US Department of Education

USC Spartanburg

Davison, Frieda

Library Book Fund - (K137) **\$1,000**
Carolina Piedmont Foundation

Fadel, Jim

USC Spartanburg Americorp - (FL18) **\$5,000**
SC Commission on National and Community Service/Corporation for
National & Community Service

Ferrell, Jim

Nursing Education and Research - (K120) **\$1,537**
Carolina Piedmont Foundation

Jackson, Patricia

USDA Family Daycare Homes - (FL08) **\$1,600**
SC Department of Social Services/USDA

Lever, Lisa

*Shared Polymer Characterization Instruments for an Extended Physical
Chemistry Laboratory - (L103)* **\$962**
Wofford/Converse College

Prince, Judith

Quality Teaching and Learning - (K328) **\$10,000**
Carolina Piedmont Foundation

USC Spartanburg

Rogers, Suzanne

ACHIEVE Program - (FL17) **\$246,065**
SC Employment Security Commission/DOL

Turner, Jack

Microbiobial Study - (L101) **\$640**
Milliken Chemicals

School of Medicine

Cell & Developmental Biology & Anatomy

Bullard, Tara

Price, Robert

Protein Kinase C Expression in Cardiac Myocytes - (KA04) **\$18,200**
American Heart Association

Patel, Chanrashekha

Regulation of Homeobox Gene HOXA9EC in Endothelium - (KA03) **\$66,000**
American Heart Association

Potts, Jay

Cell-Cell and Cell-ECM Interaction in AV Canal Formation - (KA02) **\$66,000**
American Heart Association

Internal Medicine

Lin, Tu

*A Retrospective Study for the Collection of DNA from Patients
Previously Enrolled in 1014-001 - (JA03)* **\$2,250**
USCRF/Pfizer

Postic, Bosko

*Performance of Lopinavir/Ritonavir as an Alternative Treatment Option
(PLATO) - (JA05)* **\$1,000**
USCRF/Covance Periapproval Services, Inc.

Talwani, Rohit

*Performance of Lopinavir/Ritonavir as an Alternate Treatment Option
(PLATO) - (JA04)* **\$2,000**
USCRF/Covance Periapproval Services, Inc.

Neuropsychiatry

Chubon, Robert

Rehabilitation Long-Term Training: Rehabilitation Counseling - (F260) **\$98,017**
US Department of Education

Neuropsychiatry

Kress-Shull, Manuela

Rehabilitation Long-Term Training in Rehab Counseling - (F259) **\$98,703**
US Department of Education

Pathology & Microbiology

Wargovich, Michael

Tea Modulation of Colon Carcinogenesis - (FA03) **\$257,210**
USCRF/National Cancer Institute/NIH

Zander, Mary

Chemopreventive and Chemotherapeutic Effects of Herbals - (FA04) **\$23,356**
USCRF/National Institute of Arthritis & Musculoskeletal & Skin

Pediatrics/Center for Developmental Disabilities

Ferrante, Richard

Practices Grant - (FA01) **\$26,752**
USCRF/Georgia Institute of Technology/USDE

*South Carolina University Center for Excellence in Developmental
Disabilities - (FL13)* **\$382,888**
USCRF/Administration for Children, Youth and Families/HHS

Pharmacology, Physiology & Neuroscience

Allen, Donald

Advanced Education Nursing Traineeships - (FJ03) **\$15,000**
Health Resources and Services Administration(HRSA)/HHS

Fadel, Jim

Functional Correlates of Orexin-Dopamine Interactions - (KA03) **\$15,000**
USCRF/NARSD/Vanderbilt University

Research & Special Projects

Howe, Duncan

Alzheimer's Caregiver Education Program - (GL00) **\$10,000**
SC Department of Health & Human Services

South Carolina Cancer Center

Butler, William

*South Carolina Cancer Center Award for Biostatistical Consultative
Services - (KA08)* **\$15,000**
SC Cancer Center

Chen, Yinchao

Microwave Detection of Breast Cancers - (KA04) **\$16,482**
SC Cancer Center

South Carolina Cancer Center

Housley, Paul

*RNA Interference-Mediated Inactivation of Glucocorticoid Receptor
Nucleocytoplasmic Trafficking - (KA07)* **\$15,000**
SC Cancer Center

Reisman, David

Butler W.

*Stability of the p53 Tumor Suppressor Gene in Barn Swallows of
Chernobyl, Ukraine - (KA06)* **\$10,000**
SC Cancer Center

You, Sjaojin

*Establishment of a Mouse Mammary Tumor Cell Line to Study
the Hormonal Dependence and Tumor Surgical Curability - (KA05)* **\$13,900**
SC Cancer Center

School of the Environment

Earth Sciences & Resources Institute

Rine, James

*Implementation of a Nonpoint Source Education for Municipal Officials
(NEMO) Program - (F146)* **\$18,809**
SC Sea Grant Consortium/SCDHEC/NOAA

Vice President for Research

NanoCenter

Baird, Davis

*NIRT: Philosophical and Social Dimensions of Nanoscale Research:
Developing a Rational Approach to a Newly Emerging Science and
Technology - (FA17)* **\$174,985**
USCRF/National Science Foundation (NSF) - General

Chen, Donna

*Surface Chemistry on Supported Metal Nanoparticles with Controlled
Particle Sizes - (FA01)* **\$95,449**
US Department of Energy

Grand Total

\$14,575,746