

SPONSORED PROGRAMS and RESEARCH
Award Activity March 2002

College of Education

Instruction & Teacher Education

Singer J.

Synergy Communities: Aggregating Learning About Education - (FA00) **\$22,700**
USCRF/University of California at Berkeley/NSF

Stephens D.

The South Carolina Research Initiative: Impact on the Reading Skills and Strategies of Children in Grades K-5 and on Teacher's Reading Beliefs and Practices - (FA01) **\$506,980**
US Department of Education

College of Engineering & Information Technology

Chemical Engineering

Balbuena P.

Study of Mechanisms for Capacity Decay in Li-Ion Batteries - (J150) **\$50,000**
USCRF/Mitsubishi Chemical Corporation

Matthews M.

Weidner J.

Electrochemical Oxidation in Room Temperature Ionic Liquids - (FA01) **\$12,000**
National Science Foundation (NSF) - General

Super Critical Fluid Processing of Fiberstar Materials - (JA06) **\$1,392**
USCRF/Fiberstar, Inc.

Van Zee J.

I/UCRC for Fuel Cell Research - Planning Grant - (FA16) **\$8,460**
USCRF/National Science Foundation (NSF) - General

White R.

Optimization of the Cathode Long-Term Stability in Molten Carbonate Fuel Cells: Experimental Study and Mathematical Modeling - (F113) **\$105,000**
USCRF/Federal Energy Technology Center/DOE

Computer Science & Engineering

Huhns M.

Ga: NetGen Learning Systems - (JP24) **\$17,500**
NetGen Learning Systems, Inc.

GA: NetGen Learning Systems, Inc. - (JP25) **\$2,718**
NetGen Learning Systems, Inc.

Mechanical Engineering

Giurgutiu V.

*Cost and Effectiveness Analysis of AH64A/UH-60L On-Board Vibrations
Monitoring System - (F168)* **\$37,679**
SC Army National Guard/DOD

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Monitoring System - (F168)* **\$37,679**
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College of Hospitality, Retail & Sports Management

Center For Retailing Studies

Moody P.

MarcoPolo State Web Site Integration Grant - (KL00) **\$25,000**
SC Department of Education/WorldCom Foundation

Sport Administration

Regan T.

Bernthal M.

Darlington Motor Speedway Economic Impact Study - (JA00) **\$14,000**
USCRF/Darlington Raceway

College of Journalism & Mass Communications

Journalism & Mass Communications, College of

Holmes C.

The Media and the Message - (FA00) **\$1,200**
SC Humanities Council/NEH

The Media and the Message - (KA01) **\$3,960**
USCRF/Lilly Endowment, Inc.

College of Liberal Arts

Archaeology & Anthropology, Institute of

Leader J.

Conservation of Gronauer Lock - (L110) **\$116,538**
City of Newhaven, Indiana

Smith S.

Archaeological Survey of Cowpens National Battlefield Park - (FA11) **\$71,582**
USCRF/National Park Service/DOI

Geography

Jensen J.

*Monitoring Coastal Wetland Change and Modeling Ecosystem Health in SC -
(FA05)* **\$10,000**
SC EPSCoR/NASA

Geography

Mock C.

Conference on Paleoclimate, Environmental Change and Human Migrations in the North Pacific Basin; Anchorage, Alaska; August 5-7, 2002. - (FA06) **\$9,891**
USCRF/National Science Foundation (NSF) - General

Government & International Studies

Songer D.

Collaborative Research: Extending a Multi-Country Database and Program of Research - (FA00) **\$93,588**
USCRF/National Science Foundation (NSF) - General

History

Grier K.

GA: Historic Columbia Foundation - (KP05) **\$1,003**
Historic Columbia Foundation

Wilson C.

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

Psychology

Mendez J.

Companion Curriculum: Connecting Head Start Parents and Teachers to Promote Early Learning - (FA02) **\$249,950**
Administration for Children & Families/HHS

Schatz J.

Palmetto Richland Advocacy Program for Youth - (KA00) **\$29,584**
Palmetto Health Alliance

Public Service & Policy Research, Institute for

Steagall C.

South Carolina Environmental Symposium - (GL07) **\$41,822**
Hazardous Waste Management Research Fund

College of Nursing

Family & Community Health Nursing

Andrews J.

Sister to Sister: Helping Low-Income Women Quit Smoking - (FA00) **\$29,192**
USCRF/National Institute of Nursing Research/NIH

College of Pharmacy

Palmetto Poison Center

Michels J.

Reportable Disease Database Contract - (GL01) \$5,250
SC Department of Health and Environmental Control

Pharmacy & Health Outcomes Sci.

Reeder C.

Janssen Outcomes Research Fellowship - (J151) \$18,125
Janssen Pharmaceutical Fellowship

Janssen Outcomes Research Fellowship - (J151) \$18,125
Janssen Pharmaceutical Fellowship

College of Science and Math

Baruch Institute

Lewitus A.

Assessing Risks of Pfiesteria and Other Toxic Algal Blooms in South Carolina - (FA25) \$127,350
SC Department of Health and Environmental Control/HHS

Stanton J.

Development of a Cross-Linked Copepod Life-Cycle and Molecular- Genetic Assay for Examining Exposure and Effects of Coastal Use of Insecticides: A Case Study' with the Persistent Organochlorine Fipronil - (FA24) \$52,484
SC Sea Grant Consortium/NOAA

Biological Sciences

Hilbish T.

Helmuth B.

Wethey D.

Biophysical and Behavioral Agents of Natural Selection in a Hybrid Zone - (FA29) \$109,925
USCRF/National Science Foundation (NSF) - General

Chemistry & Biochemistry

Bunz U.

ADIMET: A Tool for the Synthesis of Alkyne-Briged Polymers - (FA18) \$210,000
USCRF/National Science Foundation (NSF) - General

Dawson J.

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

Shimizu K.

New Strategies for Improved Imprinted Polymers - (FA05) \$225,781
National Institute of General Medical Science/NIH

Geological Sciences

Diaconesau C.

Crustal Expression of the Vrancea Seismogenic Zone of Romania: Integration of Active and Passive Source Seismological Data - (KA02) **\$28,480**
USCRF/Petroleum Research Fund/ACS

Lakshmi V.

The Influence of Land-Atmosphere Interactions on Variability of the North American Monsoon - (F183) **\$20,370**
National Aeronautics & Space Administration

Talwani P.

Cooperative Central and Southeast US Integrated Seismic Network - USC - (FA07) **\$75,000**
US Geological Survey/DOI

Voulgaris G.

A Multidisciplinary Approach to Quantify and Model the Transport and the Deposition of Organic Pollutants in Coastal Environments - (FA26) **\$44,396**
SC Research Authority/EPA

Wilson A.

The Distribution of Brines in Foreland Basins Containing Evaporites: Numerical Experiments - (KA03) **\$35,000**
USCRF/Petroleum Research Fund/ACS

Physics & Astronomy

Johnson J.

Continued Deployment and Enhancement of the IVIS System - (FA13) **\$396,000**
SC Department of Public Safety/DOJ

College of Social Work

Social Work, College of

Raymond F.

GA: Central Carolina Community Foundation - (KP33) **\$1,044**
Central Carolina Community Foundation

Wright L.

Field Initiated Research: Successful Adolescent Adoption - (FA01) **\$65,873**
Administration on Children & Families/HHS

Social Work Training for DSS Staff and Agents - (FJ03) **\$3,095,783**
SC Department of Social Services/HHS

Casey Family Programs Consultation - (KL04) **\$160,601**
USCRF/Casey Family Programs

Institute for Families in Society
Families in Society, Institute for
Andrews A.

Center for Family & Society - (K400) **\$58,000**
Nord Family Endowment Fund

Bolden E.

Early Intervention to Enhance Fatherhood Initiatives - (FA08) **\$107,410**
SC Department of Social Services/NIH

Brown E.

Center of Excellence in Early Childhood Professional Development - (GL00) **\$6,800**
Winthrop University

Wandersman A.

Development of the South Carolina Involvement Instrument - (GL01) **\$1,500**
Education Oversight Committee

Law School

Law School

Morris C.

Operation of Children's Law Office - (FL06) **\$173,568**
SC Department of Social Services/NIH

Support of Children's Justice Act Task Force - (FL05) **\$85,336**
SC Department of Social Services/NIH

Moore School of Business

Business Administration - Division Of Research

Alpert G.

Assessing Police Officers' Decision Making and Discretion - (FA04) **\$38,168**
National Institute of Justice

Small Business Development Center

Lenti J.

SBDC - SC State - (ZL03) **\$156,514**
Small Business Administration (SBA) - General

SBDC-Clemson - (ZL04) **\$257,130**
Small Business Administration (SBA) - General

SBDC - Winthrop - (ZL05) **\$212,412**
Small Business Administration (SBA) - General

SBDC Control Center - (FL08) **\$170,451**
Small Business Administration (SBA) - General

Norman J. Arnold School of Public Health

Environmental Health Sciences

Newman L.

Dewatering Remediation and Evaluation of Dredged Sediments - (FA32) **\$30,001**
USCRF/Purdue University/EPA

Epidemiology & Biostatistics

Weinrich S.

Collaborative Recruitment Centers for African American Hereditary Prostate Cancer - (F101) **\$112,332**
Wayne State University/Howard University/NIH

Xie D.

Genetic Alterations of p53r2 and Colorectal Adenoma - (FA19) **\$72,438**
USCRF/National Cancer Institute/NIH

Exercise Science

Pate R.

Promotion of Physical Activity in High School Girls - (FA04) **\$698,276**
USCRF/National Heart, Lung, and Blood Institute/NIH

Health Administration

Stoskopf C.

Evaluation of Community Access Program, Palmetto Richland - (FA03) **\$86,250**
Palmetto Health Alliance/HRSA

Health Promotion & Education

Valois R.

SHEP Report - (FA13) **\$21,515**
SC Department of Education/CDC

Prevention Research Center

Matthews C.

SIP 13-00: Development of a Short Physical Activity Questionnaire - (FA19) **\$45,181**
Centers for Disease Control/HHS

Regional and Four-Year Campuses

USC Aiken

Weed K.

Evaluation of Youth Violence Prevention Cooperative Agreement - (FA10) **\$10,626**
Mental Health Association in Aiken County/SAMHS/HHS

USC Beaufort

Brunelli L.

The Heritage Classic USC Beaufort Library Sponsorship - (KL03) **\$25,000**
Heritage Classic Foundation

USC Spartanburg

Ferrell J.

Palmetto Professorship - (K128) **\$6,000**
Carolina Piedmont Foundation

Nursing Equipment - (K317) **\$3,549**
Carolina Piedmont Foundation

Turner J.

Microbiobial Study - (L101) **\$1,832**
Milliken & Company

School of Medicine

Developmental Biology & Anatomy

Borg T.

Role of Mycardial Integrins in Ventricular Remolding - (F179) **\$109,962**
Auburn University/NIH

Price R.

Interaction of PDGF and Integrins in the Heart - (FA06) **\$33,375**
USCRF/New York University/NIH

Internal Medicine

Bryan C.

Midlands Care Consortium - Ryan White Emerging Communities Funds - (FL06) **\$231,186**
SC Department of Health & Environmental Control/HHS

Midlands Care Consortium - ADAP Funds - (FL07) **\$25,000**
SC Department of Health and Environmental Control/HHS

Midlands Care Consortium - Ryan White Base Funds - (FL05) **\$1,698,345**
SC Department of Health & Environmental Control/HHS

Perinatal HIV Prevention Services - (FL00) **\$33,692**
SC Department of Health and Environmental Control/HHS

Gonzalez F.

An Open-Label, Multicenter, Randomized, Phase III Study Comparing Oral Topotecan/Cisplatin vs. Etoposide/Cisplatin as tx. for Chemotherapy-Naive Patients with Extensive Disease-Small Cell Lung Cancer - (JA06) **\$10,105**
USCRF/GlaxoSmithKline

Internal Medicine

Hopkins C.

Prevention of Events with Angiotensin Converting Enzyme Inhibition (Peace Trial) - (F104) **\$150**
George Washington University/NHLBI/NIH

Lin T.

A 24 Month, Double-Blind Multicenter Study of Zenarestat (CII014-1) in the Treatment of Diabetic Neuropathy - (J127) **\$3,650**
Pfizer

Moloo J.

Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard Center - (F102) **\$1,085**
University of Texas/NIH

Microbiology & Immunology

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) **\$10,000**
USCRF/Clemson University/DOD

Neuropsychiatry

Hwang T.

VITATOPS-VITamins to Prevent Stroke - (LA01) **\$512**
Royal Perth Hospital

Pediatrics/Center for Developmental Disabilities

Neuberg R.

Affiliate Member Institution Agreement/NCCF - (F132) **\$8,975**
National Childhood Cancer Foundation/NCI/NIH

Research & Special Projects

Fowler S.

South Carolina Consortium for Cardiovascular Disease and Stroke - (L100) **\$10,000**
Richland Memorial Hospital

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

School of the Environment

School of the Environment

Amiridis M.

Van Zee J.

REU Site: Novel Technologies for Pollution Prevention - (FA00) **\$97,708**
National Science Foundation (NSF) - General

Vice President for Research

NanoCenter

Chen D.

CAREER: Exploring Particle Size Dependent Surface Chemistry on Supported Metal Nanoparticles - (FA13) **\$453,000**

USCRF/National Science Foundation (NSF) - General

Dunlap B.

NSF/EPSCoR SC 2000 Cooperative Agreement "Material Science/Nanoscience at USC - (FA14) **\$600,000**

SC EPSCoR/SCRA/NSF

NSF/EPSCoR SC 2000 Cooperative Agreement "Material Science/Nanoscience at USC - (GA00) **\$253,478**

SC EPSCoR/SC Research Authority

Murphy C.

zur Loye H.

REU Site: Undergraduate Research in Nonoscience - (FA15) **\$59,612**

USCRF/National Science Foundation (NSF) - General

Grand Total **\$12,220,463**