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.

NetGen Learning Systems, Inc.
Mechanical Engineering
Giurgiuiv V.

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

$37,679

College of Hospitality, Retail & Sports Management
Center For Retailing Studies
Moody P.

MarcoPolo State Web Site Integration Grant - (KL00)
SC Department of Education/WorldCom Foundation

$25,000

Sport Administration
Regan T. Bernthal M.

Darlington Motor Speedway Economic Impact Study - (JA00)
USCRF/Darlington Raceway

$14,000

College of Journalism & Mass Communications
Journalism & Mass Communications, College of
Holmes C.

The Media and the Message - (FA00)
SC Humanities Council/NEH

$1,200

The Media and the Message - (KA01)
USCRF/Lilly Endowment, Inc.

$3,960

College of Liberal Arts
Archaeology & Anthropology, Institute of
Leader J.

Conservation of Gronauer Lock - (L110)
City of Newhaven, Indiana

$116,538

Smith S.

Archaeological Survey of Cowpens National Battlefield Park - (FA11)
USCRF/National Park Service/DOI

$71,582

Geography
Jensen J.

Monitoring Coastal Wetland Change and Modeling Ecosystem Health in SC - (FA05)
SC EPSCoR/NASA

$10,000
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 Persistant 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-Bridged 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)*

Nord Family Endowment Fund

$58,000

**Bolden E.**

*Early Intervention to Enhance Fatherhood Initiatives - (FA08)*

SC Department of Social Services/NIH

$107,410

**Brown E.**

*Center of Excellence in Early Childhood Professional Development - (GL00)*

Winthrop University

$6,800

**Wandersman A.**

*Development of the South Carolina Involvement Instrument - (GL01)*

Education Oversight Committee

$1,500

**Law School**

*Law School*

**Morris C.**

*Operation of Children's Law Office - (FL06)*

SC Department of Social Services/NIH

$173,568

*Support of Children's Justice Act Task Force - (FL05)*

SC Department of Social Services/NIH

$85,336

**Moore School of Business**

*Business Administration - Division Of Research*

**Alpert G.**

*Assessing Police Officers' Decision Making and Discretion - (FA04)*

National Institute of Justice

$38,168

**Small Business Development Center**

**Lenti J.**

*SBDC - SC State - (ZL03)*

Small Business Administration (SBA) - General

$156,514

*SBDC-Clemson - (ZL04)*

Small Business Administration (SBA) - General

$257,130

*SBDC - Winthrop - (ZL05)*

Small Business Administration (SBA) - General

$212,412

*SBDC Control Center - (FL08)*

Small Business Administration (SBA) - General

$170,451
Norman J. Arnold School of Public Health

*Environmental Health Sciences*

**Newman L.**

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

*Epidemiology & Biostatistics*

**Weinrich S.**

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

**Xie D.**

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

*Exercise Science*

**Pate R.**

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

*Health Administration*

**Stoskopf C.**

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

*Health Promotion & Education*

**Valois R.**

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

*Prevention Research Center*

**Matthews C.**

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

*Regional and Four-Year Campuses*

**USC Aiken**

**Weed K.**

*Evaluation of Youth Violence Prevention Cooperative Agreement - (FA10)*
Mental Health Association in Aiken County/SAMHS/HHS  $10,626
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 Myocardial 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 (CI1014-1) 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

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)
USCRF/National Science Foundation (NSF) - General

$453,000

Dunlap B.

NSF/EPSCoR SC 2000 Cooperative Agreement "Material Science/Nano-science at USC - (FA14)
SC EPSCoR/SCRA/NSF

$600,000

NSF/EPSCoR SC 2000 Cooperative Agreement "Material Science/Nano-science at USC - (GA00)
SC EPSCoR/SC Research Authority

$253,478

Murphy C. zur Loye H.

REU Site: Undergraduate Research in Nonoscience - (FA15)
USCRF/National Science Foundation (NSF) - General

$59,612

Grand Total

$12,220,463