SPONSORED PROGRAMS and RESEARCH
November 2001

College of Education

Education
Van Scoy I.

Standards and Assessment Grant Project - (FA00)
SC Department of Education/USDE
$27,500

Education Leadership & Policies
China J.

GEAR-UP - (FL00)
SC Commission on Higher Education/USDE
$1,200

Schramm S.

Gear Up Supplemental Mini-Grant - (GL02)
SC Commission on Higher Education
$24,685

Educational Psychology
Johnson R.

Proposal to Develop SC Standards-Based Arts Assessments - (GL01)
SC Department of Education
$74,939

Instruction & Teacher Education
Brown M.

Graduate Coursework and Certification for Early Childhood
Faculty and Mentors - (FJ01)
SC Department of Health & Human Services/HHS
$114,875

Physical Education
French K.

Criminal Justice Academy Basic Law Enforcement Certification
Training Job-Task Analysis - (GL00)
SC Department of Public Safety
$20,000

SC Educational Policy Center
Monrad D.

Consultant Services for Implementation of the Principal Performance
and Evaluation Instrument - (GA03)
SC Department of Education
$15,500

School Improvement Council Assistance
Norman J.

Alliance for South Carolina's Children Parent Assistance Project -
(FJ00)
SC Alliance for South Carolina's Children/USDE
$10,000
## College of Engineering & Information Technology

### Chemical Engineering

**Amiridis M.**

- **New Heterogeneous Catalyst for Selective Reduction of NOx Emissions to Improve Vehicular Transportation** - (F166)
  - US Department of Energy
  - $95,000

- **Catalytic Performance of Metal Particles on Mesoporous Supports** - (FA13)
  - USCRF/UT-Battelle, LLC/ONR
  - $42,627

**Balbuena P.**

- **Acquisition of a High-Performance Computer Cluster for the Design of Dendrimer-Based Nano-Catalysts.** - (KQ05)
  - USC Office of Research
  - $33,160

- **Molecular Modeling of Electrocatalysis** - (GA01)
  - SC EPSCoR Program
  - $21,235

- **CAREER: First Principles Studies of Interfacial Phenomena: Applications to Catalysis and Electrochemistry** - (F105)
  - National Science Foundation (NSF) - General
  - $75,000

**Ploehn H.**

- **Acquisition of a Scanning Probe Microscopy System** - (KQ03)
  - USC Office of Research
  - $50,000

**Popov B.**

- **Development and Characterization of Novel Zn-Ni-X Ternary Alloys to Prevent Corrosion and Hydrogen Embrittlement** - (FA14)
  - Office of Naval Research/DOD
  - $35,155

**Ritter J.**

- **Equipment to Expand the Capabilities of the High Pressure Adsorption Laboratory: Development of Hydrogen Storage Materials and Systems** - (KQ04)
  - USC Office of Research
  - $60,000

### Civil & Environmental Engineering

**Imran J.**

- **Modeling the Effect of Climatic and Human Impacts on Margin Sedimentation** - (FA10)
  - USCRF/Office of Naval Research/DOD
  - $90,000

**Petrou M. Harries K.**

- **Permeability of Portland Cement Concrete (PCC) Structures in South Carolina** - (FA11)
  - SC Department of Transportation/DOT
  - $89,275
Electrical Engineering

Seminario J.

*Computational Studies of Molecular Systems for Nanotechnology Materials - (GA00)*  
SC EPSCoR Program  

$29,503

Mechanical Engineering

Darabi J.

*Chip-Integrated EHD Pumped Cyrogenic Cooling System - (FA15)*  
USCRF/ATEC, Inc./ONR  

$35,892

*Acquisition of a Semi-Automated Wire Bonder - (KQ00)*  
USC Office of Research  

$25,000

Sutton M.

*Rapid Determination of Strains from 3-D Image Correlation - (JA08)*  
USCRF/Alpha Manufacturing Company  

$95,786

SCAMP

White R.

*SC-CSEMS Scholarships - (FA02)*  
USCRF/Claflin College/NSF  

$18,000

College of Liberal Arts

Archaeology & Anthropology, Institute of

Brooks M.

*Cultural Resource Management on the SRS - (F110)*  
US Department of Energy  

$275,000

Smith S.

*Mid-Atlantic Naval ICRMP - (FA10)*  
USCRF/US Army Construction Eng. Research Laboratory  

$16,825

Geography

Mock C.

*Collaborative Research: Historical Climatic Reconstructions for the Southeastern United States - (F167)*  
National Science Foundation (NSF) - General  

$60,761

History

Wilson C.

*The Papers of John Calhoun - (L108)*  
Various Sources  

$1,000
Psychology

Prinz R.

*Equipment for Media-Based Programming* - (KQ01) $9,657
USC Office of Research

Public Service & Policy Research, Institute for

Dobson D.

*E2SC: Environmental Excellence in SC* - (G418) $108,038
Hazardous Waste Management Research Fund/SCUREF

*Hazardous Waste Management Research Control Center* - (G113) $25,883
Hazardous Waste Management Research Fund/SCUREF

Oldendick R.

*Administrative Support Services for Leadership South Carolina* - (LL03) $41,777
Leadership South Carolina

Trio Programs

Beasley P.

*Upward Bound Program* - (FL01) $3,803
US Department of Education

College of Nursing

Academic & Student Affairs

Loquist R.

*Colleagues in Caring* - (L101) $5,595
Various Sources

College of Pharmacy

Clinical Pharmacy

Phillips C.

*Development and Support of Doctor of Pharmacy Candidates through Community-Oriented Advanced Practice Experiences* - (GJ01) $18,423
SC AHEC

College of Science and Math

Baruch Institute

Lewitus A.

*ECOHAB: Toxic Dinoflagellates and Nutrients: A Regional Comparative Study* - (F112) $71,887
University of Maryland/NOAA
Baruch Institute
Morris J.

**LTER: Plum Island Sound Comparative Ecosystem Study - (F107)**
Marine Biological Laboratory/NSF
$68,651

Biological Sciences
Benner R.

**Biogeochemistry of Seawater Gels: A New Paradigm for the Microbial Loop - (FA26)**
USCRF/University of Washington/NSF
$258,512

Morris J.

**Biological Indicators of Environmental Condition - (KQ03)**
USC Office of Research
$44,000

Center For Science Education
Astwood P.

**South Carolina Junior Science and Humanities Symposium - (FA01)**
Academy of Applied Sciences/DOD
$12,400

Chemistry & Biochemistry
Chen D.

**Proposal to Build a Ultrahigh Vacuum System for Depositing Bimetallic Nanoclusters from Organometallic Precursors - (KQ02)**
USC Office of Research
$50,000

Dawson J.

**Purchase of a Rapid Scanning Stopped Flow Instrument - (KQ03)**
USC Office of Research
$50,000

Lebioda L.

**Upgrade of X-Ray Facility for Compatibility with Synchrotron Beamlines - (KQ04)**
USC Office of Research
$14,000

**Acquisition of Isothermal Titration Calorimeter - (KQ05)**
USC Office of Research
$50,000

Myrick M. Colavita P.

**NSF Graduate Research Fellowship - (FA13)**
National Science Foundation (NSF) - General
$28,500

Scrivens W.

**2001 EPA/EPSCoR Project: "Harmful Algal Bloom Toxins" - (GA03)**
SC EPsCOR Program
$44,184

**Ultra Low Mass Density Membrane Telescopes - (FA15)**
USCRF/California Institute of Technology/NASA
$47,686
Chemistry & Biochemistry

**Specialty Polymeric Materials for Use in the Purification and Detection of Harmful Algal Bloom Toxins** - (FA14)
SC EPsCOR Program/EPA

**Wuthier R.**

*Use of Fusarochromanone as a Potential Anti-Arthritic Agent* - (J157)
USCRF/ISTO Technologies

$1,753

Geological Sciences

**Howell M.**

*The Neogene Paleoceanographic/Climatic History of the Marion Plateau: A Geochemical and Paleontological Approach* - (FA14)
Texas A&M Research Foundation/US Science Support Program

**Knapp J.**

*Equitorial Guinea Training Support* - (KA00)
USC Educational Foundation

$1,100

**Kohn M.**

*Metaporphic Evolution of the Main Central Thrust, Nepal* - (F187)
National Science Foundation (NSF) - General

$68,123

**Talwani P.**

*SC Seismic Monitoring Network* - (F159)
SC Universities Research & Education Foundation (SCUREF)/DOE

$96,650

Statistics

**Finch H. Grego J.**

*Evaluation of Composing Academic Identities* - (FA06)
USCRF/Benedict College/USDE

$3,023

**Nichols M.**

*Statistical Analysis at Fort Jackson* - (FA05)
Fort Jackson/US Army/DOD

$1,062

Darla Moore School of Business

**Woodward D.**

*Economic Impact of Budget Cuts to Medicaid Program* - (FA03)
SC Department of Health & Human Services/HHS

$14,633
Division of Student Affairs

Student Life

Gant R.

A Randomized Study of Two Approaches to Reducing High-Risk Drinking During College Students' 21st Birthday Celebrations - (FA00) $20,626
US Department of Education

Social Norming Interventions to Reduce High-Risk Drinking - (FL15) $20,000
SC DAODAS/Department of Juvenile Justice/DOJ

Enrollment Management

Student Financial Aid and Scholarships

Miller E.

Opportunity Scholar Grant Aid Account - (FL00) $33,047
US Department of Education

Institute for Families in Society

Families in Society, Institute for

McGraw-Myers E.

Board Development Regional Training - (KL00) $10,944
USCRF/Psaras Foundation

Law School

Law School

Byars W.

Nexuskids - (FL04) $86,508
USCRF/United Way/HHS

Norman J. Arnold School of Public Health

Epidemiology & Biostatistics

Aldrich T.

Carolina Asthma Surveillance and ED-Based Intervention - (FA13) $233,614
Centers for Disease Control/HHS

Coker A.

Domestic Violence Services in Rural Healthcare Clinics - (FA12) $320,587
Centers for Disease Control/HHS

Impact of HR-HPV Positivity on Women: Formative Research - (FA14) $199,752
USCRF/ASPH/CDC

Hebert J.

Adolescent Women Dietary/Physical Activity Recall Project - (FA15) $50,324
USCRF/Emory University/NIH
Epidemiology & Biostatistics
Mayer-Davis E.

* Look Ahead - (FA16) $16,829
  USCRF/Wake Forest University/NIH

* Diabetes Prevention Project Diet Assessment Center - (FA17) $82,966
  USCRF/George Washington University/NIH

Exercise Science
Williams H.

* GA: Capital Senior Center - (JP03) $1,500
  Capital Senior Center

Health Promotion & Education
Richter D.

* Marketing TB Elimination - (FA09) $99,975
  USCRF/Assoc. of Schools of Public Health/CDC

Sargent R.

* GA: Blue Cross and Blue Shield - (JP15) $3,000
  Blue Cross Blue Shield of South Carolina

Regional and Four-Year Campuses
USC Aiken

Allen G.

* Curriculum Specialist Training/SC Statewide Systemic Initiative - (GL06) $13,000
  SC Department of Education

Cubbedge F.

* DOE Public Documents Reading Room - (F407) $41,272
  US Department of Energy

Maltz R.

* 9th Annual Josef Hofmann Piano Competition and Festival - (GL07) $2,000
  SC Arts Commission

Priest J.

* Central Savannah River Area Hub-SC DoEd - (GL02) $2,123
  SC Department of Education

USC Beaufort
Kent J.

* Opportunity Scholar Grant Aid Account - (FL03) $27,582
  US Department of Education
USC Beaufort
Miller S.

North vs. South: Sectionalism and the Civil War - (FL02) $9,923
SC Humanities Council/NEH

Quick G.

Increasing Access to Advanced Health Care Professions in the Lowcountry - (KA00) $30,000
Hilton Head Island Foundation, Inc.

USC Spartanburg
Frye C.

Upward Bound Supplemental Account - (K427) $1,628
Carolina Piedmont Foundation

Love C.

Hope VI Henderson Child Care Center - (FL10) $5,000
Housing & Urban Development

USC Spartanburg School of Education Standards and Assessment Project - (FA02) $27,500
SC Department of Education/USDE

Tardie G.

Gear Up Program - (GL03) $62,213
SC Commission on Higher Education

GearUP Program - (FL07) $102,787
SC Commission on Higher Education/USDE

Turner J.

Microbiobial Study - (L101) $2,670
Milliken & Company

Ulmer M.

Humanities Building and Performing Arts Center Enhancement - (K318) $235
Carolina Piedmont Foundation

School of Medicine
Family & Preventive Medicine
Bostick R.

Evaluation of Predictors for Recurrent Adenomas - (FA03) $11,128
USCRF/Vanderbilt University/NCI
Internal Medicine
Bryan C.

Ryan White Emerging Communities - (FL03)  
SC Department of Health & Environmental Control/HH  
$12,117

Midlands Care Consortium - Ryan White - (FL01)  
SC Department of Health & Environmental Control/HHS  
$2,560

Gonzalez F.

A Double-Blind, Randomized, Multicenter Trial Comparing the Efficiency and Tolerability of 125mg or 250mg of Faslodex (long-acting ICI 182,780) with 1mg of Arimidex (Anastrozole) in Postmenopausal Women with Advanced Breast Cancer - (J118)  
AstraZeneca  
$500

Hopkins C.

Prevention of Events with Angiotensin Converting Enzyme Inhibition (Peace Trial) - (F104)  
George Washington University/NHLBI  
$300

Lin T.

A Retrospective Study for the Collection of DNA from Patients Previously Enrolled in 1014-001 - (JA03)  
USCRF/Pfizer Laboratories  
$6,986

Moloo J.

Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard Center - (F102)  
University of Texas Health Science Center  
$375

Neuropsychiatry
Hwang T.

A Double-Blind, Placebo-Controlled, Safety, Efficacy and Dose Response Trial of Two Intravenous Doses of BMS-204352 in Patients with Acute Stroke - (J111)  
Bristol-Myers Squibb Co.  
$300

Pathology
Wargovich M.

Herbal Supplements and Prevention of Colon Cancer - (KA00)  
American Institute for Cancer Research  
$164,947

Pediatrics/Center for Developmental Disabilities
Clement-Atkinson G.

ABC Special Needs Child Care Voucher Program Public Awareness Services - (GL08)  
SC Department of Disabilities & Special Needs  
$97,749
Pediatrics/Center for Developmental Disabilities

Neuberg R.

Oversight of Sickle Cell Service Systems - (FL07)  
SC Department of Health & Human Services/HHS  
$60,000

Oversight of Sickle Cell Service Systems - (GL09)  
SC Department of Health & Human Services  
$60,000

Pharmacology & Physiology

Walsh K.

Hormonal and Mechanical Regulation of Cardiac Voltage-Gated K+Channels - (KA01)  
American Heart Association  
$71,500

Research & Special Projects

Howe D.

University of South Carolina Parenting Mini-Grant - (GL02)  
Lancaster County First Steps Partnership  
$8,808

South Carolina Cancer Center

Fowler S.  Patton J.

Screen for Factors Involved in Alternative Splicing of Messenger RNA - (KA01)  
SC Cancer Center  
$15,000

The Biological Activity of Membrane Anchored TGF Alpha Splicing Variant VAI1 Precursor - (KA03)  
SC Cancer Center  
$15,000

Surgery

Bell R.

Minimally Invasive Molecular Staging (MIMS) RT-PCR Breast Cancer Study - (FA02)  
Medical University of South Carolina/DOD  
$5,750

Grand Total  
$4,840,114