### SPONSORED PROGRAMS and RESEARCH

#### Award Activity: September 2002

### Business, Moore School of Business Administration - Division of Research

**Roenfeldt, Rodney**

- **GA: ALTEC Laundry Equipment, LLC - (JP60)**
  - ALTEC Laundry Equipment, LLC
  - $2,010

- **GA: American Red Cross - (KP05)**
  - American Red Cross
  - $4,500

  - Automated Trading Desk, LLC
  - $4,000

- **GA: Columbia College Career Center - (JP61)**
  - Columbia College
  - $1,004

- **GA: Investment Services Corporation - (JP63)**
  - Investment Services Corporation
  - $1,510

- **GA: Michelin Tire Corporation - (JP64)**
  - Michelin Tire Corporation
  - $1,125

- **GA: SC Budget and Control Board - (GP13)**
  - SC Budget & Control Board
  - $4,518

### Engineering & Information Technology, College of Chemical Engineering

**Amiridis, Michael**

- **Carbonyl Sulfide Removal from Propene - (KA06)**
  - USCRF/Gas Processors Association
  - $172,500

**White, Ralph**

- **Fuel Cell Research - (JA10)**
  - USCRF/DeNora North America, Inc.
  - $54,504

### Computer Science & Engineering

**Matthews, Manton**

- **GA: Coastal Science and Engineering - (JP27)**
  - Coastal Science & Engineering
  - $4,687

### Electrical Engineering

**Khan, Asif**

- **Manufacturing and Lifetime Testing of Novel Insulating Gate GaN-AlGaN FET Devices and Circuits - (FA15)**
  - USCRF/US Army Space & Missile Defense Command/DOD
  - $2,000,000
Electrical Engineering
Seminario, Jorge

The Science and Technology of Nano/Molecular Electronics: Theory Simulation and Experimental Characterization (DURINT) - (FA19)
USCRF/Stevens Institute of Technology/ARO/DOD $70,000

Engineering & Information Technology, College of
White, Ralph

First LEGO League Partnership - (FL00)
SC Department of Education/DOL $16,500

Mechanical Engineering
Bayoumi, Abdel Giurgiutiu, Victor

The Goodrich Center of Excellence in Mechanical Diagnostics Technology Lab - (JA09)
USCRF/BF Goodrich Aerospace $100,000

Chao, Yuh

Refinement of Constraint-Based Fracture Toughness Model to Include Shallow Cracks - (FA26)
SC Universities Research and Education Foundation (SCUREF)/DOE $9,867

Deng, Xiaomin

Development of a Mixed-Mode Fracture Criterion for Thin-Shell Structures - (JA13)
USCRF/General Motors Corporation $110,158

Ranson, William Bayoumi, Abdel

Proposal for Design and Testing of a Lightweight Flutter Resistant Structural Box Using Carbon Rod Packs - (FA27)
USCRF/Gulf Aerostream/DOD $80,000

SC Alliance for Minority Participation (SCAMP)
White, Ralph

SCAMP State Matching Funds - Evaluation and Curriculum Reform - (GA10)
SC Commission on Higher Education $22,120

State Matching Funds from CHE-Summer Research Program - (GA09)
SC Commission on Higher Education $78,717

Environment, School of the
Earth Sciences & Resources Institute
Kloot, Robin 'Buz'

GIS Technical Assistance for Comprehensive Nutrient Management Planning - (JL00)
USCRF/Environmental Management Solutions, LLC $3,123
Families in Society, Institute for

Families in Society, Institute for
Andrews, Arlene

Center for Family & Society - (K400)
Nord Family Endowment Fund

Design, Implementation and Evaluation of Proactive Grantmaking - (K120)
USCRF/Sisters of Charity

$62,000

$368,035

Flerx, Vicki

Domestic Violence Services in Rural Health Care Clinics - (FA13)
USCRF/University of Texas/NIH

$221,810

Motes, Patricia

Disproportionate Minority Confinement Project - (FA11)
SC Department of Public Safety/DOJ

$31,883

Disproportionate Minority Confinement Project - (FA12)
SC Department of Public Safety/DOJ

$162,941

Evaluation of CIS Statewide After School Program - (FA14)
Communities in Schools of South Carolina/SC DSS/HHS

$75,000

Honors College, South Carolina

Honors College, South Carolina
Stiver, James

Junior Scholars Program: Adventures in Creativity - (GL01)
SC Department of Education

$4,000

Liberal Arts, College of

Archaeology & Anthropology, Institute of
Smith, Steven                       Clement, Christopher

Archaeological Intensive Survey McEntire Air Guard Base - (FA14)
Air Guard/US Army Medical Research Acquisition Activity/DOD

$84,616

Coordination of SC Army National Guard Native American Consultation:
SCARNG Fall Meeting - (GA06)
SC Army National Guard

$15,000

Geography

Cowen, David

GA: SC Department of Transportation - (GP04)
SC Department of Transportation

$9,000

Jakubs, John

GA: SC Department of Health & Environmental Control - (GP05)
SC Department of Health & Environmental Control

$4,522
### Geography

*GA: SC Department of Health & Environmental Control - (GP06)*  
SC Department of Health & Environmental Control  

$9,000

**Kovacik, Charles**  

*SC Geographic Alliance - (GJ04)*  
EIA/State Budget & Control Board  

$188,631

### Government & International Studies

**Schneider, Saundra K.**  

*GA: South Carolina Respite Coalition - (KP00)*  
South Carolina Respite Coalition  

$1,161

### History

**Wilson, Clyde**  

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

$1,000

### Psychology

**Booze, Rosemarie**  

*HIV/Cocaine Neurotoxicity in Females - (FA09)*  
USCRF/National Institute on Drug Abuse (NIDA)/NIH  

$107,213

*HIV/Cocaine Neurotoxicity in Females - (FA11)*  
USCRF/National Institute on Drug Abuse/NIH  

$85,668

**Prinz, Ronald**  

*Population-Based System of Parenting Interventions - (FA12)*  
USCRF/Centers for Disease Control/HHS  

$20,000

### Public Service & Policy Research, Institute for

**Oldendick, Robert**  

*GA: Alternative Consulting, Inc. - (J727)*  
Alternative Consulting, Inc.  

$11,375

**Wandersman, Abraham**  

*GA: Alternative Consulting, Inc. - (J727)*  
Alternative Consulting, Inc.  

$11,375

### Public Service & Policy Research, Institute for

**Oldendick, Robert**  

*National Evaluation of Free to Grow - (FL06)*  
USCRF/Wake Forest University/DOJ  

$188,226

*Randomized Control Trial to Prevent Child Violence - (FA09)*  
USCRF/Wake Forest University Health Sciences/NIH  

$286,677

### Mass Communications & Information Studies, College

**Bierbauer, Charles**  

*Basic Communications Training (Fall 2002) - (FL15)*  
USCRF/Social Security Administration - General  

$306,995
Journalism & Mass Communications, School of
Basic Communications Training Course - (FL14) $119,960
USCRF/Social Security Administration - General

Collins, Erik

GA: Health Directions - (LP00) $7,000
Lexington Medical Center

Medicine, School of
Cell & Developmental Biology & Anatomy

Carver, Wayne

Cardiac Mast Cell: Role in Pathogenesis of Heart Failure - (F180) $112,534
Auburn University/NIH

Price, Robert

Mucopolysaccharide metabolism in congnital cardiac anomalies - (FA10) $25,000
USCRF/Medical University of South Carolina/NIH

Family & Preventive Medicine

Keisler, David

South Carolina Diabetes Initiative - (GL04) $52,200
Medical University of South Carolina/State Appropriation

McDermott, Suzanne

Secondary Conditions Associated with Disabilities - (FA00) $392,054
Centers for Disease Control/HHS

Internal Medicine

Elezzer, G. Paul

A Comprehensive Program to Strengthen Physician's Training in Geriatrics - (KA00) $500,000
USCRF/Donald W. Reynolds Foundation

Talwani, Rohit

A Randomized, Open-Label Study of the Antiviral Efficacy and Safety of a Novel HIV-1 Protease Inhibitor, BMS-232632, in Combination with Ritonavir or Saquinavir, together with Tenofovir and a Nucleoside... - (JA07) $3,497
USCRF/Bristol-Myers Squibb Company

Obstetrics & Gynecology

Best, Robert

Genetic Services for Indigent and Underserved Patients - (GL01) $71,165
SC Department of Health & Environmental Control

Pediatrics/Developmental Disabilities, Center for

Ferrante, Richard

Personnel Development Collaboration - (FL15) $3,000
SC Department of Education/USDE
Pediatrics/Developmental Disabilities, Center for
Lamb, Lawrence

Antileukemic Effect of gamma/delta T cells - (KA03)  $129,045
USCRF/The Leukemia & Lymphoma Society

Neuberg, Ronnie

Affiliate Member Institution Agreement/NCCF - (F132)  $6,000
National Childhood Cancer Foundation/NCI/NIH

Schwartz, I. David

Trial to Assess the Safety and Efficacy of Anastrozole - (KA02)  $9,588
USCRF/The Nemours Children's Clinic

Pharmacology, Physiology & Neuroscience

Wilson, L. Britt

Spinal Modulation of the Nociceptive Pressor Reflex - (GA01)  $87,978
SC Spinal Cord Injury Research Fund

Wilson, Marlene

Amygdalar Neuropeptides and Anxiety - (FA00)  $178,896
USCRF/National Institute of Mental Health/NIH

Nursing, College of

Academic & Student Affairs

Adkins, Alice

AHEC Community-Based Education - (GL02)  $13,000
SC Area Health Education Centers

Moneyham, Linda

A Peer Counseling Intervention for Rural Women with HIV - (FA01)  $75,458
National Institute of Nursing Research/NIH

Administrative & Clinical Nursing

Goodman, Petra

A Test of a Model of Care Seeking in Military Women - (FA02)  $12,370
USCRF/Uniformed Services University of the Health Sciences/DOD

Phillips, Kenneth

Psychoneuroimmunological Correlates of Sleep in PWHIV - (F125)  $84,794
National Institute of Nursing Research/NIH
Pharmacy, College of

Pharmacy Practice

Brown, Karen

Educational Development of Students and Preceptors for Community-Based Practice - (GJ02)
SC Area Health Education Centers

Public Health, Norman J. Arnold School of

Environmental Health Sciences

Chandler, G. Thomas

Joint USC-Savannah River Ecology Laboratory Faculty - (FA41)
USCRF/University of Georgia/DOE

Feigley, Charles

Investigating Principles of Workroom Exposure - (FA23)
USCRF/National Institute for Occupational Health & Safety (NIOSH)/HHS

Newman, Lee

Dewatering Remediation and Evaluation of Dredged Sediments - (FA32)
USCRF/Purdue University/EPA

Keyport Installation - (FA30)
USCRF/URS/US Navy

Epidemiology & Biostatistics

Aldrich, Tim

Carolina Asthma Surveillance and Ed-Based Intervention - (FA23)
Centers for Disease Control/NIH

Mayer-Davis, Elizabeth

Uniform Population-Based Approach and Research on Childhood Diabetes - SEARCH for Diabetes - (FA24)
Centers for Disease Control/HHS

McKeown, Robert

GA: Christian Action Council - (KP02)
Christian Action Council

Exercise Science

Durstine, John L.

GA: Johnson & Johnson Health Care Systems, Inc./ Eastman Chemical Co. - (J708)
Johnson & Johnson Health Care Systems, Inc./ Eastman Chemical Co.

GA: Michelin North America - (J704)
Michelin North America

GA: South Carolina Heart Center - (JP05)
South Carolina Heart Center
Exercise Science

Pate, Russell

Community Characteristics and PA Among Adolescent Girls - (FA07)  $48,001
USCRF/RAND/NIH

Trial of Activity for Adolescent Girls - Field Center - (FA08)  $667,856
National Heart, Lung & Blood Institute/NIH

Health Administration

Glover, Saundra

GA: SC Campaign to Prevent Teen Pregnancy - (GP03)  $1,504
SC Campaign to Prevent Teen Pregnancy

Samuels, Michael

GA: Palmetto Health Richland - (LP28)  $3,015
Palmetto Health Richland

GA: SC Campaign to Prevent Teen Pregnancy - (KP02)  $3,955
SC Campaign to Prevent Teen Pregnancy

GA: SC Department of Health & Environmental Control - (GP02)  $3,000
SC Department of Health & Environmental Control

South Carolina State Office of Rural Health, Inc. - (JP18)  $1,500
SC State Office of Rural Health, Inc.

Health Promotion, Education & Behavior

Parra-Medina, Deborah

South Carolina Partnership for Cancer Prevention - (FA08)  $4,000
USCRF/Baylor College/National Cancer Institute/NIH

Richter, Donna Baker, Samuel

DAODAS RPP: Cost Benefit Analysis - (GA02)  $4,960
SC Department of Alcohol & Other Drug Abuse Services

DAODAS RPP: Evaluation - (GA03)  $25,673
SC Department of Alcohol & Other Drug Abuse Services

GA: Palmetto Health South Carolina Cancer Center - (LP12)  $3,000
Palmetto Health South Carolina Cancer Center

GA: Lexington County Recreation and Aging Commission - (HP07)  $3,519
Lexington County Recreation & Aging Commission

GA: Richland County School District One - (HP08)  $3,012
Richland School District 1

GA: SC Campaign to Prevent Teen Pregnancy - (KP10)  $1,696
SC Campaign to Prevent Teen Pregnancy

GA: SC Coalition Against Violence & Sexual Assault - (KP11)  $6,000
SC Coalition Against Violence & Sexual Assault
Health Promotion, Education & Behavior
GA: SC Department of Health & Environmental Control - (GP05) $5,225
SC Department of Health & Environmental Control

GA: SC Department of Health and Environmental Control - (GP04) $11,000
SC Department of Health and Environmental Control

Prevention Research Center
Ainsworth, Barbara
SIP 20-01: Surveillance of Physical Activity and Weigh Control - (FA23) $114,286
Centers for Disease Control/HHS

Sharpe, Patricia
Impact on HR-HPV Positivity on Women: Formative Research - (FA30) $37,000
USCRF/Centers for Disease Control/HHS

Shepard, Dennis
CVH Training and Evaluation - (FL03) $60,000
SC Department of Health & Environmental Control/HHS

Regional and Four-Year Campuses
USC Aiken
Allen, Gary
CSRA HUB: Mathematics and Science Unit Specialist - (GL10) $50,000
SC Department of Education

Statewide System Initiative - Federal HUB - (FL11) $112,611
SC Department of Education/NSF

Statewide Systemic Initiative - State HUB - (GL08) $142,973
SC Department of Education

Johnson, Gwen
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) - (GL09) $50,965
SC Commission on Higher Education

Gaining Early Awareness and Readiness for Undergraduate Programs(GEAR UP) - (FL12) $81,764
SC Commission on Higher Education/USDE

Kladivko, Deborah
Alcohol Education & Enforcement: USC Aiken's Social NormsMarketing Campaign, Social Host Liability Program, and Policy Review - (FL13) $9,000
SC Department of Alcohol & Other Drug Abuse Services/DOJ

USC Spartanburg
Connelly, Robert
JM Smith Computer Lab - (K325) $12,000
Carolina Piedmont Foundation
USC Spartanburg

Jackson, Patricia

Family Daycare Homes - (FL25)
SC Department of Social Services/HHS $5,000

Jarratt-Hortis, Frances

P.R.E.V.E.N.T. (Providing Risk-Reduction Efforts Via Education, Norming, and Technology) - (FA03)
SC Department of Alcohol & Other Drug Abuse Services/DOJ $8,000

Minsky, Ina

Opportunity Scholar Grant-in-Aid Account - (FL24)
US Department of Education $32,132

Student Support Services - (FL22)
US Department of Education $222,947

Pae, Holly

Gaining Early Awareness and Readiness for Undergraduate Programs - (FL23)
SC Commission on Higher Education/USDE $78,306

Gaining Early Awareness and Readiness for Undergraduate Programs-State Portion - (GL11)
SC Commission on Higher Education $48,378

Research, Vice President for

Biomedical Research Infrastructure Network (BRIN)

Dunlap, R. Bruce

Biomedical Research Infrastructure Network BRIN Training & Mentoring Core - (FA01)
USCRF/National Center for Research Resources/NIH $250,000

NanoCenter

Balbuena, Perla

Bimetallic and Trimetallic Nanoparticles for Fuel Cell Electro-catalysts - (FA11)
USCRF/US Department of Energy $91,000

Seminario, Jorge

Bimetallic and Trimetallic Nanoparticles for Fuel Cell Electro-catalysts - (FA12)
USCRF/US Department of Energy $91,000

Sponsored Programs & Research

Boccanfuso, Anthony

Automation of Institutional Human Subject Protection - (FA00)
National Center for Research Resources/NIH $77,500
Technology Incubator
Stevenson, Joel

USC Technology Incubator Flood Damage - (HL00)
USCRF/City of Columbia $160,000

Science and Mathematics, College of
Baruch Institute
Fletcher, Madilyn

SEA-COOS Initial Implementation - (FA35)
USCRF/University of North Carolina-Chapel Hill/ONR $499,357

Biological Sciences
Krizek, Beth

Regulatory Role of Antigens in Organ Initiation and Growth - (FA22)
US Department of Energy $206,000

Quattro, Joseph

Zoogeography of the Centrachidae of the South Atlantic Slope - (GA00)
SC Department of Natural Resources $16,000

Vogt, Richard

Odor Receptors and Olfaction in Sea Turtles - (FA43)
USCRF/National Oceanic and Atmospheric Administration/DOC $102,030

Chemistry & Biochemistry
Dawson, John

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

COBRE: Center for Colon Cancer Research
Berger, Franklin

Center for Colon Cancer Research/Administrative Core - (FA00)
USCRF/National Center for Research Resources/NIH $5,000

Geological Sciences
Karabonov, Eugene

Decadal to Centennial History of Lena River Discharge to the Artic Ocean - (FA38)
USCRF/National Science Foundation (NSF) - General $10,000

Kellogg, James

Structural Modeling, Bloque Boqueron, Upper Magdalena Valley, Colombia - (JA00)
Petrobas Colombia Ltd. $3,450
Geological Sciences
Knapp, James

Equitorial Guinea Training Support - (KA00) $440
USC Educational Foundation

Thunell, Robert

Isotopic Analysis for Foraminifers for Sediment Cores from The Chesapeake Bay - (FA37) $9,425
USCRF/US Geological Survey/DOL

Voulgaris, George

Hydrodynamic Framework of Long Bay, SC: Measurements of Waves and Coastal Currents - (FA03) $5,819
SC Sea Grant/NOAA

Physics & Astronomy
Johnson, Joseph

Automation of Institutional Human Subject Protection Program - (FA23) $22,500
National Center for Research Resources/NIH

DARPA Seedling Project - (FA24) $75,000
USCRF/US Air Force/DOD

Jones, Edwin

Richard Childer's Midway Physics Day - (KL00) $1,000
USCRF/Richland Sertoma Club

Statistics
Grego, John

Survey of Members - (KA03) $4,400
USCRF/South Carolina Bar

Social Work, College of
Social Work, College of

Ginsberg, Leon

GA: Columbia Area Mental Health Center - (GP12) $3,015
Columbia Area Mental Health

GA: Prevent Child Abuse SC - (KP61) $8,040
Prevent Child Abuse SC

GA: Sexual Trauma Services of the Midlands - (KP62) $7,000
Sexual Trauma Services of the Midlands

GA: TRI County Project Care, Inc. - (JP10) $3,015
TRI County Project Care

GA: Trident United Way - (KP60) $7,500
Trident United Way
Student Affairs, Division of Student Life

Gant, Rick

*Reducing Underage Drinking at USC by Focusing on First-Year Students - (FL17)*

SC Department of Alcohol & Other Drug Abuse Services/DOJ

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reducing Underage Drinking at USC by Focusing on First-Year Students - (FL17)</td>
<td>$20,000</td>
</tr>
<tr>
<td>SC Department of Alcohol &amp; Other Drug Abuse Services/DOJ</td>
<td></td>
</tr>
</tbody>
</table>

*Grand Total* $11,491,903