**Business, Moore School of**  
*Business Administration - Division of Research*  
**Roenfeldt, Rodney**  

GA: SC Department of Transportation - (GP15)  
SC Department of Transportation, $3,800

**Education, College of**  
*Education Leadership & Policies*  
**Lowery, John**  

GA: Columbia College - (LP02)  
Columbia College, $12,000  
GA: Columbia College - (LP03)  
Columbia College, $15,000

**Educational Psychology**  
**Brown, William**  

Preparation of Leadership Personnel - (FJ00)  
US Department of Education (USDE) - General, $199,271

**Huynh, Huynh**  

*Harold Galliksen Psychometric Research Fellowship for Patrick Meyer* - Educational Testing Service, $25,000  
*Technical Assistance to Standard Setting and PACT Assessments* - (GA08)  
SC Department of Education, $40,000

**Instruction & Teacher Education**  
**Bailey, Lora**  

School Math and Science Coaches Program - (FL11)  
SC Commission on Higher Education/USDE, $8,000

**Brown, Mac**  
**Freeman, Nancy**  

Course Proposal for EDUC R633B - (FJ04)  
SC Department of Education/USDE, $26,233

**Clonts, Christy**  

Writing Improvement Network - (GL12)  
EIA/SC General Assembly, $60,000
Instruction & Teacher Education

Kent, Laura

*Eisenhower Professional Development Grant - Applications of Research-Based Approaches to K-5 Math Instruction* - (FL12)
SC Commission on Higher Education/USDE

Mills, Heidi

*South Carolina Reading Initiative K-5* - (GJ06)
SC Department of Education

Singer, Jonathan

*School Math and Science Coaches Program* - (FL13)
SC Commission on Higher Education/USDE

Styslinger, Mary

*National Writing Project* - (F421)
National Writing Project/USDE

Office of Program Evaluation

Ebert, Christine

*Proposal to Evaluate the Southeastern Regional Center for Ocean Science Education Excellence* - (FL01)
SC Sea Grant Consortium/NOAA/DOC

SC Educational Policy Center

Monrad, Diane

*An Investigation of Technical Issues Related to the SC Accountability System* - (GA05)
SC General Assembly/SC Department of Education

School Improvement Council Assistance

Norman, Jean

*SC School Improvement 2003-04* - (GL03)
SC School Improvement/SC General Assembly

Engineering & Information Technology, College of Chemical Engineering

Ritter, James

*SGER: Feasibility of High Gradient Magnetic Implants for Targeted Drug Delivery* - (FA31)
USCRF/National Science Foundation (NSF) - General

Ebner, Armin

*CARER: Investigation of Catalysis at Solid-Liquid Interface by Non-Linear Optical Spectroscopy* - (FA05)
National Science Foundation (NSF) - General
Civil & Environmental Engineering

Cooper, Adrienne

*Pilot Plant Start-Up and Testing of Sulfur Based Polymeric Coagulant for City of Savannah Water Supply and Treatment* - (LA00)
USCRF/City of Savannah, GA $9,000

Harries, Kent, Carey, Shawn

*NSF Graduate Research Fellowship* - (FA15)
National Science Foundation (NSF) - General $38,000

Engineering & Information Technology, College of

White, Ralph

*Nuclear Materials Position at USC* - (FA04)
SC Universities Research & Education Foundation (SUREF)/DOE $40,000

SCUREF Project #16 Distinguished Scientist - (FA02)
SC Universities Research & Education Foundation (SCUREF)/WSRC/DOE $79,898

Mechanical Engineering

Khan, Jamil, Rhodes, Curtis

*Creating a Detailed Graphical Drawing of an Existing Scaffold* - (JA18)
USCRF/Mid-Atlantic Scaffold, Inc. $34,326

Lyons, Jed, Ebert, Christine

*GK-12 Engineering Fellowships to Enhance Science Education in South Carolina Schools* - (FJ00)
National Science Foundation (NSF) - General $50,000

Minority Ph.D. Recruitment and Retention - (KA02)
Alfred P. Sloan Foundation/NACM $2,000

Peters, Walter, Craig, Nadia

*NSF Graduate Research Fellowship Award* - (FA24)
National Science Foundation (NSF) - General $38,000

Sutton, Michael

*NASA Space Grant Consortium Grant* - (FA08)
College of Charleston/NASA $5,474
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<td>Environment, School of the</td>
<td>Barnes, Phil</td>
<td>International Management Systems Network - (LJ00)</td>
<td>USCRF/Various Sponsors</td>
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<td>Families in Society, Institute for</td>
<td>Andrews, Arlene</td>
<td>Evaluation Planning - From Darkness to Light - (FA17)</td>
<td>USCRF/From Darkness to Light/OJJDP/DOJ</td>
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<td>Billingsley, Andrew</td>
<td>Faith Based Initiative Supporting Children and Families in Rural Communities - (KA02)</td>
<td>USCRF/Sisters of Charity Foundation</td>
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<td>Shelter Plus Care Renewal and Expansion - (GL04)</td>
<td>SC Department of Mental Health</td>
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<td>Honors College, South Carolina</td>
<td>Jones, Leslie</td>
<td>Beckman Scholars Program - (KJ01)</td>
<td>Beckman Foundation</td>
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<td>Byars, William</td>
<td>Nexuskids Training - (FL07)</td>
<td>SC Department of Social Services/HHS</td>
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<td>Mackinem, Beth</td>
<td>SC Status Offender Project - (FL12)</td>
<td>SC Department of Public Safety/DOJ</td>
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<td>Montgomery, John</td>
<td>Suffolk University Law School Agreement for Nathan Crystal - (LL02)</td>
<td>Suffolk University Law School</td>
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Liberal Arts, College of

Art

Kissel, Laura

Shifting Landscapes: Historical Evidence and Change on a Cotton Field in South Georgia - (FA01)
The Humanities Council of SC/NEH

Geography

Cutter, Susan

Development of Climate Indices for Vectors of West Nile Virus - (FA16)
SC Department of Natural Resources/NOAA

History

Chesnutt D.

The Papers of Henry Laurens - (FA04)
USCRF/National Historic Publications & Records Commission

Psychology

Booze, Rosemarie

Neurodevelopment Basis(es) of Nicotine Sensitization - (FA13)
USCRF/National Institute on Drug Abuse/NIH

Follingstad, Diane

GA: Columbia Behavioral Health System - (GP09)
SC Department of Mental Health

GA: Continuum of Care - (GP12)
Continuum of Care/Governor's Office

GA: Palmetto Health Alliance - (LP07)
Palmetto Health Alliance

GA: Palmetto Health Alliance - (LP11)
Palmetto Health Alliance

GA: Palmetto Health Alliance - (LP12)
Palmetto Health Alliance

GA: Palmetto Health Alliance - (LP13)
Palmetto Health Alliance

Kilmann, Peter

GA: Lexington School District Two - (HP11)
Lexington County School District Two

GA: Lexington School District Two - (HP12)
Lexington County School District Two

GA: The Nurturing Center - (KP04)
The Nurturing Center
Psychology
Kloos, Bret

Housing, Adaptive Functioning, and Serious Mental Illness - (FA21)  
USCRF/National Institute of Mental Health/NIH  
$13,000

Mactutus, Charles

Maternal HIV: Developmental Neurotoxicity - (FA22)  
USCRF/National Institute of Child Health & Human Development (NICHD)/NIH  
$317,138

Vendemia, Jennifer

Psychophysiological Detection of Deception Research - (FA08)  
USCRF/US Department of Defense (DOD) - General  
$40,800

Public Service & Policy Research, Institute for
Oldendick, Robert

Pregnancy Risk Assessment Monitoring Systems - (FA05)  
SC Department of Health & Environmental Control/CDC  
$15,500

Mass Communications & Information Studies, College
Journalism & Mass Communications, School of
Bierbauer, Charles

Strategic Communications Training - (FL21)  
USCRF/Social Security Administration (SSA) - General  
$215,652

Medicine, School of
Cell & Developmental Biology & Anatomy
Borg, Thomas

Seminar Series-Biomechanics of Ventricular Remodeling - (GA00)  
SC Research Authority  
$1,775

Carver, Wayne

IGF-I and Mechanical Stimulation of Heart Fibroblasts - (KA05)  
USCRF/American Heart Association  
$66,000

Role of ADAMs in Heart Myocyte Development - (FA01)  
National Heart, Lung & Blood Institute (NHLBI)/NIH  
$252,875

Cell Biology & Neurosciences
Lavoie, Holly

Ovarian LDL Receptor and Star Gene Regulation - (F176)  
National Institute of Child Health & Human Development/NIH  
$141,758

Internal Medicine
Bryan, Charles

Ryan White Care Act - PALSS Discharge Planning - (FL14)  
SC Department of Health & Environmental Control/HHS  
$31,783
**Internal Medicine**

*Ryan White Care Act - Sumter Family Health Center for AIDS Drug Assistance* - (FL13)  
SC Department of Health & Environmental Control/HHS  
$33,291

**Pathology & Microbiology**

*Lin, Tu*  
*A 24 Month, Double-Blind Multicenter Study of Zenarestat (CI1014-1) in the Treatment of Diabetic Neuropathy* - (J127)  
Pfizer Laboratories  
$5,000

*Wargovich, Michael*  
*Tea Modulation of Colon Carcinogenesis* - (FA03)  
USCRF/National Cancer Institute (NCI)/NIH  
$172,324

*Zander, Mary*  
*Chemopreventive and Chemotherapeutic Effects of Herbals* - (FA04)  
USCRF/National Institute of Arthritis & Muscoskeletal & Skin Disease/NIH  
$28,948

**Pediatrics/Developmental Disabilities, Center for**

*Ferrante, Richard*  
*Assistive Technology in the Educational System* - (FL19)  
SC Department of Education/NIDRR/NIH  
$20,894

*CARE-Columbia* - (GL14)  
SC Department of Disabilities & Special Needs  
$143,550

*South Carolina University Center for Excellence in Developmental Disabilities* - (FL17)  
USCRF/Administration on Developmental Disabilities/HHS  
$397,973

*Training Materials and Programs for SCDDSN* - (GL15)  
SC Department of Disabilities & Special Needs  
$515,858

*Neuberg, Ronnie*  
*Affiliate Member Institution Agreement/NCCF* - (F132)  
National Childhood Cancer Foundation/NCI/NIH  
$2,300

**Pharmacology, Physiology & Neuroscience**

*McDonald, Alexander*  
*Synaptic Organization of the Basolateral Amygdala* - (FA01)  
USCRF/National Institute of Neurological Disorders & Stroke (NINDS)/NIH  
$50,000
### Research & Special Projects

#### Howe, Duncan

*Pathways in Caring-Joint Project with Duke Medical Center - (KL02)*  
USCRF/Duke University/Fullerton Foundation  
$9,800

#### Surgery

**Nottingham, James**

*Clinical Protocol for Multi-Center, Double-Blind, Randomized Study of the Efficacy and Safety of a Single Dose of IV Parecoxib Sodium Followed by Up to Seven Days of Oral Valdecoxib for the Pain Following Laparoscopic Cholecystectomy - (JA00)*  
Quantiles Pacific, Inc.  
$10,000

*Linezolid vs. Vancomycin for the Treatment of Complicated Skin and Soft Tissue Infections Suspected of Being or Proven to be Due to a Methicillin Resistant Gram-positive Bacterial Pathogen - (JA03)*  
USCRF/Pharmacia Corporation  
$19,458

#### Pharmacy, College of

**Basic Pharmaceutical Sciences**

**Smith, Eric**

*Comparison of Corticosteroid Release to the Skin from Experimental and Commercial Formulations using the Human Skin Blanching Assay - (JA02)*  
USCRF/TARO Pharmaceuticals, Inc.  
$4,380

**Smith, Theresa**

*The Modulation of Colin Carcinogenesis - (FA04)*  
USCRF/National Cancer Institute (NCI)/NIH  
$86,666

#### Pharmacy & Health Outcomes Sci.

**Shinogle, Judith**

*Effects of Patient Cost-Sharing on Utilization and Cost in Managed Care - (JA02)*  
USCRF/PhRMA Foundation  
$30,000

#### Public Health, Norman J. Arnold School of Communication Sciences & Disorders

**Fridriksson, Julius**

*Neurological Predictors of Aphasia Recovery - (FA01)*  
USCRF/National Institute on Deafness & Other Communication Disorders (NICHD)/NIH  
$72,750

#### Environmental Health Sciences

**Chandler, G. Thomas**  
**Quattro, Joseph**

*Complementing Traditional Ecotoxicological Approaches with GENOMICS in Sentinel Estuarine Species - (FA54)*  
SC Sea Grant Consortium/NOAA  
$25,000

*Reproductive Toxicity of Contaminated Sediments - (KA00)*  
USCRF/Southern California Coastal Water Research Project  
$18,200
Environmental Health Sciences
Walker, Samuel   Porter, Dwayne

Use of Integrated Remote Sensing and Field Techniques for Assessing and Managing the Distribution of Invasive Plants of Southeastern Estuaries - USCRF/National Oceanic and Atmospheric Administration/DOC $17,300

Epidemiology & Biostatistics
McKeown, Robert

GA: Baromedical Research Foundation - (KP07) Baromedical Research Foundation $1,302

Exercise Science
Brown, Adrienne   Davis, J. Mark

Effects of Estrogen on HSV-1 Infection Following Exercise - (KA08) USCRF/American College of Sports Medicine $5,000

Murphy, Elizabeth   Davis, J. Mark

Effects of OBG on Macrophage Function Following Exercise Stress - (KA07) USCRF/American College of Sports Medicine $4,963

Health Administration
Probst, Janice

GA: SC DHEC Division of Biostatistics - (GP06) SC Department of Health & Environmental Control $4,071

Health Promotion, Education & Behavior
Richter, Donna

GA: SC Campaign to Prevent Teen Pregnancy - (KP15) SC Campaign to Prevent Teen Pregnancy $3,618

Health Services & Policy Research, Center for
Murday, David

Evaluation of the Medicaid Family Planning Waiver, SFYs 1995-2001 - SC Department of Health & Human Services/HHS $27,611

Phillips, Evelyn

Consultation/Research with Epilepsy Foundation of South Carolina - (FL03) USCRF/Epilepsy Foundation/MUSC/CDC $3,985

Public Health, Norman J. Arnold School of -Dean
Pastides, Harris

Agreement Between Palmetto Health and USC Arnold School of Public Health - (KL00) Palmetto Health Alliance $100,000

Columbia Area Public Health Professional Partnership - (K200) Robert Wood Johnson Foundation $70,596
Regional and Four-Year Campuses

**USC Aiken**

*Allen, Gary*

- CSRA Mathematics and Science Unit Center - (GL14)
  - SC Department of Education
  - $195,958

*Gregg, Paula*

- Science & Mathematics Coaches Training - (FL19)
  - SC Commission on Higher Education/USDE
  - $8,000

*Haskell, D.*

- Science and Mathematics Coaches Training - (FL18)
  - SC Commission on Higher Education/USDE
  - $8,000

**USC Beaufort**

*Brunelli, Leslie*

- Festival Series - (HL08)
  - City of Beaufort
  - $4,000

*Yanker, Marge*

- Center for Coastal Ecology - (GL05)
  - SC Department of Health & Environmental Control
  - $66,853

**USC Salkehatchie**

*Rice, Anne*

- USC Salkehatchie Entrepreneurial Development Center Project - (FL06)
  - USCRF/Western Carolina Higher Education Commission/USDA
  - $198,352

**USC Spartanburg**

*Gorske, Jim*

- Postsecondary Education Consortium - SOTAC - (FL29)
  - Greenville Tech/USDE
  - $3,500

*Jackson, Patricia*

- Family Daycare Homes - (FL25)
  - SC Department of Social Services/HHS
  - $11,748

*Love, Charles*

- Personnel Development Collaboration - (FJ03)
  - SC Department of Education/USDE
  - $150,000

*Rogers, Susan*

- USCS Achieve Program - (FJ04)
  - Upstate Workforce Investment Board/DOL
  - $5,000
USC Sumter
Kunka, Andrew J.

Sumter Summer Film Series - (HL04)
Sumter County Government

$2,000

Research, Vice President for
NanoCenter
Chen, Donna

Surface Chemistry on Supported Metal Nanoparticles with Controlled Particle Sizes - (FA01)
US Department of Energy (DOE) - General

$104,509

Science and Mathematics, College of
Baruch Institute
Allen, Wendy

North Inlet-Winyah Bay National Estuarine Research Reserve - (FA49)
USCRF/National Oceanic & Atmospheric Administration (NOAA)/DOC

$555,000

Lovell, Charles

Diversity of Plant-Associated Diazotrophic Bacteria and their Distributions within Specific Vegetation Zones Along an Environmental Gradient - (FA44)
USCRF/National Science Foundation (NSF) - General

$728,750

Zingmark, Richard

Math and Science Coaches Program - (FL01)
SC Commission on Higher Education/USDE

$8,000

Biological Sciences
Ely, Berten

Alfred P. Sloan Foundation Recruiting Support - (KJ00)
Alfred P. Sloan Foundation

$2,000

Math and Science Coaches Program - (FL01)
SC Commission on Higher Education/USDE

$8,000

Hauswaldt, Susanne

Use of Diamondback Terrapin (Malaclemys Terrapin) as a Biological Indicator for Chemical Pollution of South Carolina Estuaries - (FA16)
National Oceanic & Atmospheric Administration (NOAA)/DOC

$17,500

Helmuth, Brian

Climate Change and Latitudinal Patterns of Body Temperature in Rocky Intertidal Invertebrates - (FA57)
USCRF/National Science Foundation (NSF) - General

$30,000

Math and Science Coaches Program - (FL00)
SC Commission on Higher Education/USDE

$8,000
### Biological Sciences

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<td>Hilbush, Thomas</td>
<td>Biophysical and Behavioral Agents of Natural Selection in a Hybrid Zone</td>
<td>USCRF/National Science Foundation (NSF) - General</td>
<td>$97,439</td>
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<td>Helmuth, Brian</td>
<td>The South Carolina Statewide Collaboration (SCSC) Providing Interactive Biology Research Experience to Minority Undergraduates - (FA01)</td>
<td>National Science Foundation (NSF) - General</td>
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<td>Wethey, David</td>
<td>Characterization of Systemin-Responsive MAP Kinase Cascades - (FA58)</td>
<td>USCRF/National Science Foundation (NSF) - General</td>
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### Chemistry & Biochemistry

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<td>Lebioda, Lukasz</td>
<td>Structure and Mechanism of C1pB from E. Coli (Fellowship Award) - (FA28)</td>
<td>National Institute of General Medical Sciences (NIGMS)/NIH</td>
<td>$27,685</td>
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<td>Bell, Brittnaire</td>
<td>NSF Graduate Research Fellowship - (FA13)</td>
<td>National Science Foundation (NSF) - General</td>
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### Educational Activities for EPA/EPSCOR - (GL00)

- SC Research Authority (SCRA) $10,000

### Geological Sciences

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<td>Knapp, Loren</td>
<td>Origin and Crustal Expression of Active Lithospheric Delamanation in the Vrancea Zone, Romania: Project DRACULA - (FA52)</td>
<td>USCRF/National Science Foundation (NSF) - General</td>
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<td>Kohn, Matthew</td>
<td>Collaborative Research:  Acadian vs. Taconian Tectonism in the Southern Appalachian Western Blue Ridge - Implications for Modelsof Terrane Accretion - (FA54)</td>
<td>USCRF/National Science Foundation (NSF) - General</td>
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<td>Yogodzinski, Gene</td>
<td>Collaborative Research: Geochemistry of Ultramafic Xenoliths From the Mantle Wedge of the Kamchatka Arc - (FA53)</td>
<td>USCRF/National Science Foundation (NSF) - General</td>
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**Mathematics**

**Girardi, Maria**

*Vector-Valued Analysis and Geometry of Banach Spaces - (FA09)*

USCRF/National Science Foundation (NSF) - General

$80,000

**Griggs, Jerrold**

*Szekely, Laszlo*

*Combinatorics with Applications - (FA13)*

USCRF/National Science Foundation (NSF) - General

$25,888

**Kellogg, Bruce**

*Singularly Perturbed Convection-Diffusion Problems - (FA12)*

USCRF/National Science Foundation (NSF) - General

$8,400

**Trifonov, Ognian**

*Lattice Points, the Gauss Circle, the Riemann Zeta-Function - (FA10)*

USCRF/National Science Foundation (NSF) - General

$7,190

**Physics & Astronomy**

**Aharonov, Yakir**

*Anandan, Jeeva*  

*Mazur, Pawel*

*Quantum Coherence - (FA16)*

USCRF/National Science Foundation (NSF) - General

$40,000

**Blanpied, Gary**

*School Math and Science Coaches Program/Highter Educaiton Coaching*

*Team Assistance - (FJ01)*

Commission on Higher Education/USDE

$8,000

*Simulation of the Use of Cosmic Rays for Radiography - (FA33)*

USCRF/Los Alamos National Laboratory/DOE

$25,000

**Johnson, Joseph**

*Gudkov, Vladimir*

*DARPA Seedling Project - (FA24)*

USCRF/US Air Force/DOD

$100,004

**Mishra, Sanjib**

*Guest Scientist - (FA34)*

USCRF/Fermilab/DOE

$110,378

**Purohit, Milind**

*Rosenfeld, Carl*

*Experimental Particle Physics - (F117)*

US Department of Energy (DOE) - General

$580,000

**Science & Math Administration**

**Jordan, Donald**

*SC Academy of Science - (GL00)*

SC Academy of Science

$100,000
Science & Math Administration

Sawyer, Roger

- Math and Science Coaches Program - (FL00)
  SC Commission on Higher Education/USDE
  $8,000

Social Work, College of

Social Work, College of

Ginsberg, Leon

- GA: AID Upstate - (LP22)
  AID Upstate
  $1,195

- GA: Family Alternatives, Inc. - (JP16)
  Family Alternatives, Inc.
  $4,020

- GA: Harvest Hope Food Bank - (KP70)
  Harvest Hope Food Bank
  $4,020

- GA: On My Own/Good Works - (LP24)
  On My Own/GoodWorks
  $4,020

- GA: Palmetto Richland Hospital/The Caring House - (LP21)
  Palmetto Richland Hospital/The Caring House
  $4,520

Grand Total
$9,142,133