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<tr>
<th>Education, College of</th>
<th>Instruction &amp; Teacher Education</th>
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<td>Long, Susi</td>
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<td>SC Reading Excellence Act Demonstration Sites - (GJ05) $52,000</td>
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<td>SC Department of Education</td>
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<td><strong>Office of Program Evaluation</strong></td>
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<td>Gredler, Margaret</td>
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<td>Evaluation of the Special Education State Improvement Grant Implementation - (FA01) $94,122</td>
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<td>SC Department of Education/USDE</td>
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<td><strong>Johnson, Robert</strong></td>
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<td>Standards-Based Arts Assessment in South Carolina - (GL00) $87,143</td>
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<td>Engineering &amp; Information Technology, College of</td>
<td>Chemical Engineering</td>
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<td>Ritter, James</td>
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<td>Ebner, Armin</td>
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<td></td>
<td>SGER: Feasibility of High Gradient Magnetic Implants for Targeted Drug Delivery - (FA31) $49,999</td>
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<td>USCRF/National Science Foundation (NSF) - General</td>
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<td><strong>Weidner, John</strong></td>
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<td>Technology Development of Dupont Patent Donation - (KA08) $100,000</td>
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<td>USC Research Foundation</td>
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<td><strong>White, Ralph</strong></td>
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<td>Dougal, Roger</td>
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<td>Fuel Cell Technology Hybrid Advanced Fuel Cell Power Sources - (FA32) $1,148,000</td>
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<td>USCRF/US Army Communications-Electronics Command/DOD</td>
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<td>Life Modeling of Li-Ion Cells - (FA33) $590,000</td>
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<td>USCRF/National Reconnaissance Office</td>
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<td><strong>Civil &amp; Environmental Engineering</strong></td>
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<td>Pierce, Charles</td>
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<td>Field and Laboratory Assessment of Flowable Fill Performance - (FA07) $15,934</td>
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<td>SC Department of Transportation/FHWA/DOT</td>
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<td><strong>Computer Science &amp; Engineering</strong></td>
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<td>Zachary, John</td>
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<td>Therminator II: Advanced Prototype Research and Development - (FA14) $50,000</td>
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<td>USCRF/Penn State University Applied Research Lab/ONR/DOD</td>
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**Electrical Engineering**

**Dougal, Roger**

*Virtual Prototyping, Advanced Electric Systems, and Controls for Ships - USCRF/Office of Naval Research (ONR)/DOD*

$938,000

**Monti, Antonello**

*High PRF Ultraviolet Detectors Based on Quarternary AlInGaN Layers and Heterojunctions - (FA05) - National Aeronautics & Space Administration (NASA) - General*

$392,095

**Khan, Asif**

*Extension of Computational Investigation of the Combustion Process for Micro-Turbines - (JA16) - USCRF/University Technology Corporation/AFRL/DOD*

$2,175

**Mechanical Engineering**

**Giurgiutiu, Victor**

*Structural Monitoring with Piezoelectric Wafer Active Sensors - (FA33) - USCRF/University Technology Corporation/AFRL/DOD*

$166,000

**Khan, Jamil**

*Remote Ultrasonic Diagnostics of Material Damage Under High Radiation and High Temperatures - (JA15) - USCRF/Westinghouse Electric Co. LLC*

$5,000

**Li, Xiaodong**

*Mechanical Properties and Reliability of Micro/Nanoscale Structures for Aeronautics and Space Applications - (FA32) - SC Space Grant Consortium/NASA*

$29,630

**Lyons, Jed**

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

$60,500

**Ebert, Christine**

*Ranson, William**

*Cost and Effectiveness Analysis of the AH-64A and UH-60L on Board Vibrations Monitoring (VM) System - (FA31) - SC National Guard/DOD*

$325,000

**Reynolds, Anthony**

*Friction Stir Welding of Titanium for Aerospace and Naval Applications - USCRF/Office of Naval Research/DOD*

$60,000

**SC Alliance for Minority Participation (SCAMP)**

**White, Ralph**

*SCAMP Phase I - (FA03) - South Carolina State/NSF*

$181,500
Environment, School of the Environment, School of the

Amiridis, Michael Van Zee, John

REU Site: Novel Technologies for Pollution Prevention - (FA00)
National Science Foundation (NSF) - General $102,482

Families in Society, Institute for Families in Society, Institute for

Floyd, Anita

Development of Homeless Coalitions and Programs in South Carolina - $22,880
USCRF/Training & Development Associates, Inc/HUD

Resource Development to Address Homelessness in South Carolina - (KL05) $20,000
USCRF/TSC Foundation

Harris, Muriel

Testing for HIV in Richland County: A Program Evaluation - (KL06) $10,957
USCRF/SC African American HIV/AIDS Council

Liberal Arts, College of Archaeology & Anthropology, SC Institute of

Brooks, Mark

Cultural Resource Management on the SRS - (F110) $415,000
US Department of Energy (DOE) - General

Clement, Christopher

Evaluation of 27 Sites at Ft. Jackson - (FA16) $641,349
USCRF/US Army Medical Research ACQ Activity/DOD

Smith, Steven

Cultural Resources Services FY03 - (GA08) $132,060
SC Army National Guard

Geography

Cutter, Susan

Measuring the Social and Biophysical Vulnerability of Small Island Nations - (KA04) $26,494
USCRF/National Geographic

Jensen, John Cowen, David

Program for a NASA Affiliated Research Center Program at the University of South Carolina - (F165) $175,000
National Aeronautics & Space Administration (NASA) - General
Government & International Studies

Songer, Donald

Collaborative Research: Extending a Multi-Country Database and Program of Research - (FA00) $15,000
USCRF/National Science Foundation (NSF) - General

International Studies, Institute of

Kegley, Charles Angel, Robert

Fulbright American Studies Institute on the Conduct and Formulation of US Foreign Policy - (FL03) $214,608
USCRF/United States Department of State

Psychology

Baylis, Gordon

Mechanisms of Perceptual Extinction Following Stroke - (FA19) $202,904
USCRF/National Institute of Neurological Disorders & Stroke (NINDS)/HHS

Booze, Rosemarie

HIV/Cocaine Neurotoxicity in Females - (FA09) $341,848
USCRF/National Institute on Drug Abuse (NIDA)/NIH

Coleman, James

Summer Research Institute in Experimental Psychology - (FA18) $182,556
USCRF/National Science Foundation (NSF) - General

Kilmann, Peter

GA: Earle E. Morris Alcohol and Addiction Treatment Center - (GP01) $26,300
SC Department of Mental Health

Wandersman, Abraham

GA: Alternative Consulting, Inc. - (J727) $4,859
Alternative Consulting, Inc.

Public Service & Policy Research, Institute for

Oldendick, Robert

Evaluation of the Combating Underage Drinking Program - (F420) $128,217
Wake Forest University/DOJ

National Evaluation of the Free to Grow Program - (FL09) $236,362
USCRF/Wake Forest University/DOJ
Public Service & Policy Research, Institute for

Pierce, Jon

Evaluation of Parks and Recreation Services for Georgetown County - Georgetown County Parks & Recreation Department $18,000

Mass Communications & Information Studies, College

Library & Information Sciences, School of

Williams, Robert

Southeast Archives Education Collaborative with Louisiana State University - (FA00) $1,500
USCRF/Louisiana State University/IMLS

Medicine, School of

Basic Science Research

Price, Robert Fox, Alvin

LCQ Classic Ion Trap Mass Spectrometer - (KQ00) $25,000
USC Educational Foundation

Family & Preventive Medicine

Baxley, Elizabeth

Minority Faculty Fellowship Program - (FJ00) $60,808
USCRF/Health Resources & Services Administration (HRSA)/HHS

Internal Medicine

Talwani, Rohit

Observational Analysis of Clinical and Virologic Outcomes, Safety and Tolerability of all Patients Started on Tenofovir in a Large Urban HIV Clinic with a Predominately Indigent Population - (JA11) $5,000
USCRF/Gilead Sciences, Inc.

Medicine Library

Riley, Ruth

Geriatric Web: The Geriatric Digital Library Project - (FL01) $27,042
Palmetto Health/National Library of Medicine (NLM) /NIH

Neuropsychiatry

Wright, Harry

Molecular and Genetic Epidemiology of Autism - (FA00) $174,141
USCRF/Duke University/NIH

Ophthalmology

Pakalnis, V. Al

Protein Kinase C Beta Inhibitor - Diabetic Retinopathy Study 2 (PKC-DRS2) $10,373
A Phase 3 Clinical Trial - (JA00) USCRI/Parexel International Corporation
Pathology & Microbiology

Fox, Alvin

- Science Education and Research Outreach Project of the University of South Carolina School of Medicine - (KJ00)
  Sloan Foundation/National Action Council for Minorities in Engineering, Inc. $2,000

Stallworth, James

- Genetics in Primary Care - (KL00)
  East Carolina University/Fullerton Foundation $6,200

Pharmacology, Physiology & Neuroscience

Walsh, Kenneth

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

Research & Special Projects

Fowler, Stanley

- SC Consortium for Geriatrics - (L101)
  Palmetto Health Alliance $6,101
- South Carolina Consortium for Cardiovascular Disease and Stroke - (L100)
  Palmetto Health Richland $10,000

Howe, Duncan

- Pathways in Caring-Joint Project with Duke Medical Center - (KL02)
  USCRF/Duke University/Fullerton Foundation $38,450

Surgery

Nottingham, James

- Clinical Protocol for a Double-Blind Multicenter Study of the Safety and Efficacy of Parecoxib - (JA02)
  USCRF/Pharmacia Corporation $2,000
- 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 $2,000
Nursing, College of
Family & Community Health Nursing
Adkins, Alice

Advanced Education Nursing Traineeships - (FJ03) $50,593
Health Resources & Services Administration (HRSA)/HHS

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) $21,870
USCRF/Taro Pharmaceuticals, Inc.

Public Health, Norman J. Arnold School of
Environmental Health Sciences
Porter, Dwayne
Clement, Christopher

Development of a Digital Library of Historical and Current Aerial Photography for the Fort Jackson Property - (GA00) $60,000
Office of the Adjutant General

Epidemiology & Biostatistics
Hebert, James

A Diet, Physical Activity, and Meditation Intervention in Men with Rising Prostate-Specific Antigen (PSA) - (FA30) $531,480
USCRF/US Army Medical Research Activity/DOD

Purchase and Provision of Services to Maintain the Alzheimer's Disease Registry and to Provide Educational Training and Program Development and Evaluation - (FA07) $100,000
SC Department of Health & Human Services/HHS

Smith, Sharon

Factors Effecting Blood Pressure: The Role of Obesity - (FA28) $1,359
National Heart, Lung & Blood Institute (NHLBI)/NIH

Xie, Da-wen

Genetic Alterations of p53r2 and Colorectal Adenoma - (FA19) $72,688
USCRF/National Cancer Institute (NCI)/NIH

Health Administration
Glover, Saundra

African American Public Health Fellowship and Development Program to Address Health Disparities - (KJ00) $240,438
USCRF/W.K. Kellogg Foundation
### Regional and Four-Year Campuses

#### USC Aiken

**Hanlin H.**

*Long-Term Monitoring of Reptiles and Amphibians at the Savannah River Site - (FA09)*
Clemson University/USDA

$5,705

**Harrison, David**

*Sarov ISO-9000-Series Training Program - (FJ01)*
USCRF/VNIIEF Conversion J.S. Company/Russia

$53,300

**Jackson, Patricia**

*A Systematic Analysis of Hammerhead Ribozyme Target Sites within HIV-1 Tat* - (FA13)
SC Research Authority/NSF

$7,662

**Pirkle, William**

*SCUREF/DOE/SRS Joint Faculty Appointment for USC-Aiken - (FA05)*
SC Universities Research & Education Foundation/WSRC/DOE

$20,000

#### USC Lancaster

**Cox, Ramie**

*USC Lancaster Child Development Center - (GL01)*
Lancaster County First Steps

$80,000

#### USC Salkehatchie

**Chavous, Warren**

*ACE Explores 2003 - (KL08)*
USCRF/Gaylord & Dorothy Donnelley Foundation

$25,000

**Moskow, Susan**

*Character Education Professional Development Teacher's Academies - (FA05)*
SC Department of Education

$53,628

#### USC Spartanburg

**Connors, Vince**

*Development of Biophalaria Glabrata Embryonic Cells as a Model for the Schistosome-Snail Interaction - (FA05)*
USCRF/BRIN/National Center for Research Resources (NCRR)/NIH

$8,000

#### Science and Mathematics, College of

#### Baruch Institute

**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

$40,000
Baruch Institute
Quattro, Joseph

*Marine Evolutionary Ecotoxicology-Using Genomics and Population Genetic Theory to Infer the Impact of Contaminants on Natural Populations* - (FA43)
SC Sea Grant Consortium/NOAA

**$40,018**

Biological Sciences

**Hilbish, Thomas**  **Helmuth, Brian**  **Wethey, David**

*Biophysical and Behavioral Agents of Natural Selection in a Hybrid Zone* - (FA52)
USCRF/National Science Foundation (NSF) - General

**$22,136**

**Hughes, Austin**

*Evolution of Immune Recognition and Evasion* - (FA52)
USCRF/National Institute of General Medical Sciences (NIGMS)/HHS

**$157,956**

**Marton, Laszlo**

*Remediation of Haloorganic Pollutants with Spartina Alterniflora* - (FA53)
SC Sea Grant Consortium/NOAA

**$58,483**

**Mousseau, Timothy**

*Collaborative Research: Reproductive Behavior and Immune Disease* - (FA53)
USCRF/National Science Foundation (NSF) - General

**$6,000**

*The Adaptive Significance of Phenotypic Plasticity and Reaction Norm Evolution in a Natural System* - (FA05)
National Science Foundation (NSF) - General

**$12,000**

Chemistry & Biochemistry

**Shaw, Timothy**  **Chandler, G. Thomas**

*A Novel Foraminiferal-Based Method to Determine Sublethal Toxicological Risks of Metal Mixtures in Esturarine Sediments* - (FA40)
SC Sea Grant Consortium/NOAA

**$58,020**

**Sodetz, James**

*Structure/Function of Terminal Complement Proteins* - (FA39)
USCRF/National Institutes of Health (NIH) - General

**$40,000**

**zur Loye, Hans-Conrad**

*A Joint Francis Marion University/University of South Carolina Program to Synthesize and Characterize New Organic/Inorganic Coordination Framework Materials* - (FA20)
EPSCoR/BRIN/NSF

**$25,000**

*Subcontract to the NSF Solid State Summer Program at Clemson University* - (FJ00)
USCRF/Clemson University/NSF

**$8,713**
**Geological Sciences**

**Goni, Miguel**

*Student Participation to SECOS Conference - (GA19)*  
SC EPSCoR Program  
$7,500

**Healey, Stephanie**  
**Thunell, Robert**

*A 500,000-Year Record of Deep Sea Temperature and Ice Volume Based on Benthic Foraminiferal Mg/Ca and \( \delta^{18}O \) - (FA49)*  
USCRF/Joint Oceanographic Institutions/NSF  
$23,000

**Lakshmi, Venkataraman**

*Studies of Combined Passive and Active Soil Moisture Sensing - (FA28)*  
USCRF/National Aeronautics and Space Administration (NASA)  
$41,000

**Talwani, Pradeep**

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

**Thunell, Robert**

*Collaborative Research: A High Resolution Study of Sea Surface Temperature Variability in the Indo-Pacific Warm Pool - (FA06)*  
National Science Foundation (NSF) - General  
$91,704

*Isotopic Analysis for Foraminifers for Sediment Cores from the Chesapeake Bay - (FA48)*  
USCRF/US Geological Survey (USGS)/DOI  
$3,055

**Physics & Astronomy**

**Avignone, Frank**

*Next Generation Neutrinoless Double Beta Decay Experiments*  
CUROE/CUORICINO (130Te) and Majorana (76Ge) - (FA15)  
USCRF/National Science Foundation (NSF) - General  
$315,415

**Kunchur, Milind**

*Transport Behavior of Superconductors at High Dissipative Currents - (F129)*  
US Department of Energy  
$72,822

**Social Work, College of**

**Social Work, College of**

**DeHart, Dana**

*Collaborative Response to Crime Victims in Urban Areas-Faith Based and Secular Victim Services Provided - (FA06)*  
USCRF/Maryland Crime Victims Resource Center, Inc./DOJ  
$49,600

**Ginsberg, Leon**

*GA: Medical College of Georgia - (LP18)*  
Medical College of Georgia  
$1,500
Social Work, College of
  GA: SC Department of Mental Health - (GP15) $85,375
  SC Department of Mental Health
  
  GA: Trinity Housing Corporation - (KP65) $1,505
  Trinity Housing Corporation
  
  GA: Yahweh Center Children's Village - (KP64) $2,010
  Yahweh Center Children's Village

Paget, Kathleen
Enhancing the Use of Survey Data: A Study of Principals' Needs - (GJ05) $12,261
SC Education Oversight Committee

Student Affairs, Division of
Student Health
  Gardner, Marcous

Midlands HIV Prevention Collaboration Grant - (FL03) $20,000
USCRF/SC Department of Health & Environmental Control/HHS

University Libraries
  Thomas Cooper Library
  Singleton, Ben

Preserving Fox Movietone Moving Images, 1927-1929 - (FL01) $251,268
USCRF/National Endowment for the Humanities

Grand Total $10,560,386