College of Criminal Justice
Criminal Justice, College of
Baker, Danny

GA: SC Department of Public Safety - (GP01)  SC Department of Public Safety  $24,447

College of Education
Educational Psychology
Brown, William

Preparation of Leadership Personnel - (FJ00)  US Department of Education  $198,407

Hult, Richard

A Study of Professional Development Schools: Student Achievement;
Teacher Quality and Teacher Recruitment and Retention - (LA00)  National Education Association  $2,796

Seaman, Michael

GA: Educational Oversight Committee - (GP01)  Educational Oversight Committee  $12,550

Instruction & Teacher Education
Baker, Hannah

Writing Improvement Network - (GL08)  SC General Assembly/EIA/SC Dept. of Education  $252,158

College of Engineering & Information
Chemical Engineering
Matthews, Michael

Enhanced Learning in Undergraduate Education: A Research Communication Studio - (FA18)  USCRF/National Science Foundation (NSF) - General  $375,003

Processing the Materials for Improved Biocompatibility - (FA17)  USCRF/National Institute of Biomedical Imaging & Bioengineering/HHS  $489,414

Computer Science & Engineering
Huhns, Michael


GA: SC National Guard - (GP06)  SC National Guard  $5,700
**Mechanical Engineering**

**Chao, Yuh**

*Spot Weld Testing - (JA12)*

USCRF/General Motors Corporation

**Khan, Jamil**

*Computational Investigation of the Combustion Process of Micro Turbines - (JA11)*

USCRF/Doty Scientific, Inc.

**Lyons, Jed**

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

National Science Foundation (NSF) - General

**College of Liberal Arts**

**History**

**Gerth, Karl**

*Nationalizing Consumer Culture: Products and Patriotism in Modern China - (KA00)*

USCRF/Chiang Ching-Kuo Fdn for International Scholarly Exchange

**Taylor, C. James**

*The Papers of Henry Laurens - (FA02)*

USCRF/National Archives and Records Admin.

**Weyeneth, Robert**

*GA: USDA Forest Service - (FP00)*

USDA Forest Service

*South Carolina Department of Archives and History - (GP14)*

SC Department of Archives and History

**Wilson, Clyde**

*The Papers of John C. Calhoun - (FA03)*

USCRF/National Archives & Records Administration

**McKissick Museum**

**Taylor, Saddler**

*A Soldier's Legacy - (GA01)*

SC Arts Commission

**Psychology**

**Booze, Rosemarie**

*HIV/Cocaine Neurotoxicity in Females - (FA11)*

USCRF/National Institute on Drug Abuse/NIH
### Psychology

#### Follingstad, Diane

<table>
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<tr>
<th>GA: Wings for Kids - (KP03)</th>
<th>Wings for Kids</th>
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<tr>
<td>GA: Columbia Behavioral Health System - (GP09)</td>
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<td>GA: The Nurturing Center - (KP05)</td>
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#### Kilmann, Peter

| GA: Palmetto Health Alliance - (LP08) | Palmetto Health Alliance | $48,000 |

#### Nagle, Richard

| GA: Richland County School District One - (HP05) | Richland School District One | $13,500 |

#### Schatz, Jeffrey

| GA: Palmetto Health Alliance - (LP09) | Palmetto Health Alliance | $12,510 |

#### Wandersman, Abraham

| GA: Alternative Consulting, Inc. - (J727) | Alternative Consulting | $4,597 |
| Web-based IT Solution for Outcome-Based Prevention - (FA10) | USCRF/Kit Solutions/NIH | $7,000 |

### Public Service & Policy Research, Institute for

#### Landry H.

*Implementation of a Nonpoint Education for Municipal Officials (NEMO) Program - (GL02)*

Hazardous Waste Management Research Fund
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<td>Implementation of a Nonpoint Source Education for Municipal Officials</td>
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<td>Reference and Research for Encyclopedia of Hinduism - (K100)</td>
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<td><strong>Sociology</strong></td>
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<td>Markovsky, Barry</td>
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<td>Willer, David</td>
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<td>Status Processes in Social Exchange Networks - (FA02)</td>
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<td><strong>College of Mass Communications &amp;</strong></td>
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<td>Colleagues in Caring - (L101)</td>
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<td><strong>Murdaugh, Carolyn</strong></td>
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<td>Health Promotion/Risk Reduction in Special Populations - (F100)</td>
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<td>National Institute for Nursing Research/NIH</td>
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<td><strong>Fuller, Sara</strong></td>
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<td>Expanded Primary Care Services to an Urban Area - (FJ02)</td>
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<td>Health Resources and Services Administration (HRSA)/HHS</td>
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College of Pharmacy

Basic Pharmaceutical Sciences

Zhu, Bao

Endogenous Estrogen-Fatty Acid Esters: Mammary-Selective Hormones and Carcinogens - (KA03)
USCRF/American Cancer Society
$161,250

Palmetto Poison Center

Michels, Philip J.

South Carolina Poison Center Certification Project - (FL01)
Health Resources and Services Administration/HHS
$210,990

Pharmacy & Health Outcomes Sci.

Dickson, W. Michael

Schizophrenia Treatment in the SC Medicaid Program - (JA03)
USCRF/Washington State University/Janssen Pharmaceutica, Inc.
$14,500

College of Science and Math

Baruch Institute

Bushek, David

Aquatic Nuisance Species Task Force - Using the National Estuarine Research Reserve - (FA30)
USCRF/National Oceanic and Atmospheric Administration/DOC
$10,000

Urbanization and Southeastern Estuarine Systems - (FA33)
SC Sea Grant Consortium/NOAA
$49,274

Dean, John

GA: SC Sea Grant - (GP04)
SC Sea Grant Consortium
$8,000

DeLorenzo, Marie

Effects of a Lipid-Regulating Drug on Estuarine Organisms - (FA31)
SC Sea Grant Consortium/NOAA
$7,983

Fletcher, Madilyn

Carolina Coastal Ocean Observing and Predicting System (Caro-COOPS) - (FA28)
USCRF/National Oceanic & Atmospheric Administration (NOAA)
$2,283,300

Lewitus, Alan

Urbanization and Southeastern Estuarine System - (FA34)
SC Sea Grant Consortium/NOAA
$57,931

Porter, Dwayne

Urbanization and Southeastern Estuarine Systems - (FA32)
SC Sea Grant Consortium/NOAA
$174,059
### Biological Sciences

**Benner, Ronald**

Sources, Abundance, and Transformations of Amino Sugars in Marine Organic Matter - (FA02)  
National Science Foundation (NSF) - General  
$150,000

**Hauswaldt S.**

Use of Diamondback Terrapin (Malaciemys Terrapin) as a Biological Indicator for Chemical Pollution of South Carolina Estuaries - (FA16)  
National Oceanic & Atmospheric Administration/DOC  
$17,500

**Helmuth, Brian**

Physical Ecology of the Rocky Intertidal: Predicting Patterns in Invertebrate Body Temperatures - (F102)  
National Science Foundation (NSF) - General  
$16,950

**Vogt, Richard**

Expression of Olfactory SNMPs in Drosophila Melanogaster and Manduca Sexta - (FA37)  
USCRF/National Science Foundation (NSF) - General  
$106,221

### Chemistry & Biochemistry

**Adams, Richard**

Journal of Organometallic Chemistry - (J401)  
Elsevier Science, Inc.  
$12,000

**Baynes, John**

Role of Lipoxidation in the Pathogenesis of Diabetic Complications - Juvenile Diabetes Research Foundation  
$134,874

**Berg, Mark**

Development of a 2D Vibrational Spectrometer for Materials Characterization Based on NMR Analogs - (FA27)  
USCRF/National Science Foundation (NSF) - General  
$500,694

**Chen, Donna**

New Catalysts for the Destruction of Chemical Warfare Agents - (FA00)  
US Army Materail Command/DOD  
$50,000

**Thorpe, Suzanne**

Immune Mechanisms of Micro/Macrovascular Disease in Type 1 Diabetes - (KA06)  
USCRF/MUSC/Juvenile Diabetes Foundation  
$54,869

### Geological Sciences

**Knapp, James Owens T.**

Equitorial Guinea Training Support - (KA00)  
USC Educational Foundation  
$1,400
Geological Sciences

Reflections Under the Scottish Highlands (RUSH II): A Broadband Investigation of the Extent and Origin of Upper Mantle Reflectors in Scotland - (FA00)
National Science Foundation (NSF) - General

$52,570

Lakshmi, Venkataraman

The Influence of Land-Atmosphere Interactions on Variability of the North American Monsoon - (F183)
National Aerounatics & Space Administration/DOC

$65,444

Owens, Thomas

South Carolina Earth Physics Project - (GA17)
SC Commission on Higher Education

$67,499

Prokopenko, Alexander Williams D.

SGER: Formation Time and Past Changes in the Atmospheric Circulation System over Northwest Mongolia--A Pilot Study of Lake Hovsgol Sedimentary Proxy Records - (FA33)
USCRF/National Science Foundation (NSF) - General

$11,856

Styles, Richard

USCRF/Rutgers University/NOAA

$96,503

Thunell, Robert Goni, Miguel

Collaborative Research: Particulate Organic Carbon Fluxes and Sediment Accumulation in the Cariaco Basin - (FA24)
USCRF/National Science Foundation (NSF) - General

$144,286

Physics & Astronomy

Anandan, Jeeva

Amplification of Weak Signals Using Weak Measurements and Quantum Computation - (FA21)
USCRF/Office of Naval Research

$27,492

Avignone G.

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

$110,900

Myhrer, Fred Kubodera, Kuniharu

Theoretical Studies of Hadronic and Nuclear Dynamics - (FA20)
USCRF/National Science Foundation (NSF) - General

$120,000
Graduate Assistance in Areas of National Need Fellowship Program: Recruiting Talented Students from Underrepresented Groups (Physics) - US Department of Education  $115,668

Graduate Assistance in Areas of National Need/Biology- Biochemistry - US Department of Education  $173,502

Graduate Assistance in Areas of National Need/Mathematics and Statistics - (F203) US Department of Education  $144,585

Recruiting Talented Students from Underrepresented Groups into Computer Science - (F202) US Department of Education  $115,668

Recruiting Talented Students from Underrepresented Groups into Geology and Marine Science - (F204) US Department of Education  $115,668

Adaptive Goodness-of-Fit Tests, Recurrent Event Models, and Models with Alternative Time-Scales - (FA03) National Science Foundation (NSF) - General  $82,500

GA: Arcadia Analytics, LLC - (JP00) Arcadia Analytics, LLC  $8,201

International Conference in Reliability and Survival Analysis 2003 - USCRF/National Science Foundation (NSF) - General  $15,000

Central Carolina Community Foundation  $5,440

CNC Access  $3,009

Gift of Life Trust Fund  $3,500

Hospice Care of South Carolina  $3,370

New Foundations Children and Family Services  $3,009

Pendleton Place Children’s Shelter  $3,009
Social Work, College of
  GA: Salvation Army - (KP55)  $15,060
  Salvation Army
  GA: SC Department of Mental Health (Division of Behavioral Healthcare) - (GP11)  $3,015
  SC Department of Mental Health
  GA: Sylvester Management Corporation - (JP07)  $3,009
  Sylvester Management Corporation
  GA: The Carolinas Center for Hospice and End of Life Care - (LP14)  $3,018
  Carolinas Center for Hospice and End of Life Care
  GA: The Nurturing Center - (KP53)  $3,009
  The Nurturing Center

Raymond, Frank
  GA: The Town of Kershaw - (HP01)  $16,722
  The Town of Kershaw
  GA: Three Rivers Behavioral Health - (JP06)  $6,377
  Three Rivers Behavioral Science

Wright, Lois
  The Purchase of Educational Services to Acquire an MSW Degree - (KP53)  $200,000
  SC Department of Social Services

Division of Student Affairs
  Student Life
  Gant, Rick
  A Randomized Study of Two Approaches to Reducing High-Risk Drinking During College Students’ 21st Birthday Celebrations - (FA00)  $112,277
  US Department of Education

Institute for Families in Society
  Families in Society, Institute for
  Lopez-DeFede, Ana
  South Carolina Medically Fragile Children's Program - (FA02)  $974,876
  SC Department of Health & Human Services/HHS

Moore School of Business
  Business Administration - Division Of Research
  McInnes, Melayne
  Collaborative Research: Choosing Among Risk Alternatives: An Experimental Investigation of the Impact of Insurance Markets on Decision-Making Biases - (FA06)  $75,485
  USCRF/National Science Foundation (NSF) - General
Business Administration - Division Of Research
Schunk, Donald

Economic Impact of Beer Industry - (KA04)  $15,021
SC Beer Association

Norman J. Arnold School of Public Health
Center for Health Services & Policy Research
Haddock, K. Sue

Childrens' Behavioral Health Services Outcomes Pilot - (FA01)  $129,477
SC Department of Health & Human Services/HHS

Murday D.

Evaluation of the Medicaid Family Planning Waiver, SFYs 1995-2001 - $40,615
SC Department of Health & Human Services/HHS

Murday, David

South Carolina Traumatic Brain Injury (TBI) State Planning Federal Grant Project - (FL02)  $50,000
SC Department of Disabilities & Special Needs/HRSA/HHS

Woods, John

Reward Health Care Research Services Contract - (JA00)  $10,000
USCRF/Reward Health Care

Environmental Health Sciences
Feigley, Charles

Graduate Education in Industrial Hygiene - (FJ03)  $4,000
National Institute for Occupational Health & Safety

Epidemiology & Biostatistics
Hebert, James

Purchase and Provision of Services to Maintain the Alzheimer's Disease Registry and to Provide Educational Training and Program Development and Evaluation - (FA07)  $30,000
SC Department of Health and Human Services/HHS

Lane, Marcia

Quality Assurance for Aging - (FL01)  $36,094
SC Department of Health & Human Services/HHS

Exercise Science
Davis, J. Mark

Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - (J120)  $57,838
Quaker Oats
**Exercise Science**

**Sirard, John**

*Non-Motorized Transportation to School and Physical Activity in Fifth Grade Students* - (KA05)  
USCRF/LifeUSCRF/Life Fitness Academy  
$2,500

**Health Administration**

**Samuels, Michael**

*GA: South Carolina Campaign to Prevent Teen Pregnancy* - (LP23)  
SC Campaign to Prevent Teen Pregnancy  
$2,407

**Health Promotion, Education & Behavior**

**Parra-Medina, Deborah**

*USC STEP UP* - (KA02)  
USCRF/Association of Schools of Public Health/Lega  
$49,934

**Richter, Donna**

*GA: Baromedical Research Foundation* - (KP05)  
Baromedical Research Foundation  
$4,200

*GA: Senior Primary Care Practice* - (LP08)  
Senior Primary Care Practice  
$6,000

**Sargent, Roger**

*GA: Carolina Care* - (JP14)  
Carolina Care  
$1,000

*GA: Senior Primary Care Practice* - (LP07)  
Senior Primary Care Practice at Palmetto Richland  
$1,500

**Prevention Research Center**

**Shepard D.**

*Healthy Schools Evaluation and Technical Assistance* - (FL04)  
SC Department of Education/HHS  
$7,000

**Office of the Provost**

**TRIO Programs**

**Beasley, Paul**

*Educational Opportunity Center* - (FL07)  
USCRF/US Department of Education  
$419,443

*Upward Bound Program* - (FL06)  
US Department of Education/USDE  
$12,115
Regional and Four-Year Campuses

**USC Aiken**

*Pirkle, William*

*Undergraduate Research Program: A Collaborative Effort between the SRS and USC Aiken - (FA06)*

SC Universities Research & Education Foundation/DOE

$23,590

**USC Beaufort**

*Brunelli, Leslie*

*Performing Arts Center Theatre Project - (HL05)*

City of Beaufort

$13,000

**USC Lancaster**

*Bailey, Thelathia*

*Student Support Services - (FL04)*

US Department of Education

$237,947

*Upward Bound - (FL03)*

US Department of Education

$217,487

**USC Spartanburg**

*Davison, Frieda*

*Library Book Fund - (K137)*

Carolina Piedmont Foundation

$1,000

*USC Spartanburg Americorp - (FL18)*

SC Commission on National and Community Service/Corporation for National & Community Service

$5,000

*Ferrell, Jim*

*Nursing Education and Research - (K120)*

Carolina Piedmont Foundation

$1,537

**Jackson, Patricia**

*USDA Family Daycare Homes - (FL08)*

SC Department of Social Services/USDA

$1,600

**Lever, Lisa**

*Shared Polymer Characterization Instruments for an Extended Physical Chemistry Laboratory - (L103)*

Wofford/Converse College

$962

**Prince, Judith**

*Quality Teaching and Learning - (K328)*

Carolina Piedmont Foundation

$10,000
USC Spartanburg
Rogers, Suzanne

ACHIEVE Program - (FL17) SC Employment Security Commission/DOL $246,065

Turner, Jack

Microbiobial Study - (L101) $640
Milliken Chemicals

School of Medicine
Cell & Developmental Biology & Anatomy
Bullard, Tara Price, Robert

Protein Kinase C Expression in Cardiac Myocytes - (KA04) $18,200
American Heart Association

Patel, Chanrasheka

Regulation of Homeobox Gene HOXA9EC in Endothelium - (KA03) $66,000
American Heart Association

Potts, Jay

Cell-Cell and Cell-ECM Interaction in AV Canal Formation - (KA02) $66,000
American Heart Association

Internal Medicine
Lin, Tu

A Retrospective Study for the Collection of DNA from Patients Previously Enrolled in 1014-001 - (JA03) $2,250
USCRF/Pfizer

Postic, Bosko

Performance of Lopinavir/Ritonavir as an Alternative Treatment Option (PLATO) - (JA05) $1,000
USCRF/Covance Periapproval Services, Inc.

Talwani, Rohit

Performance of Lopinavir/Ritonavir as an Alternate Treatment Option (PLATO) - (JA04) $2,000
USCRF/Covance Periapproval Services, Inc.

Neuropsychiatry
Chubon, Robert

Rehabilitation Long-Term Training: Rehabilitation Counseling - (F260) $98,017
US Department of Education
### Neuropsychiatry

**Kress-Shull, Manuela**

*Rehabilitation Long-Term Training in Rehab Counseling* - *(F259)*

US Department of Education

$98,703

### Pathology & Microbiology

**Wargovich, Michael**

*Tea Modulation of Colon Carcinogenesis* - *(FA03)*

USCRF/National Cancer Institute/NIH

$257,210

**Zander, Mary**

*Chemopreventive and Chemotherapeutic Effects of Herbals* - *(FA04)*

USCRF/National Institute of Arthritis & Muscoskeletal & Skin

$23,356

### Pediatrics/Center for Developmental Disabilities

**Ferrante, Richard**

*Practices Grant* - *(FA01)*

USCRF/Georgia Institute of Technology/USDE

$26,752

*South Carolina University Center for Excellence in Developmental Disabilities* - *(FL13)*

USCRF/Administration for Children, Youth and Families/HHS

$382,888

### Pharmacology, Physiology & Neuroscience

**Allen, Donald**

*Advanced Education Nursing Traineeships* - *(FJ03)*

Health Resources and Services Administration(HRSA)/HHS

$15,000

**Fadel, Jim**

*Functional Correlates of Orexin-Dopamine Interactions* - *(KA03)*

USCRF/NARSD/Vanderbilt University

$15,000

### Research & Special Projects

**Howe, Duncan**

*Alzheimer's Caregiver Education Program* - *(GL00)*

SC Department of Health & Human Services

$10,000

### South Carolina Cancer Center

**Butler, William**

*South Carolina Cancer Center Award for Biostatistical Consultative Services* - *(KA08)*

SC Cancer Center

$15,000

**Chen, Yinchao**

*Microwave Detection of Breast Cancers* - *(KA04)*

SC Cancer Center

$16,482
South Carolina Cancer Center

**Housley, Paul**

*RNA Interference-Mediated Inactivation of Glucocorticoid Receptor*
*SC Cancer Center*

$15,000

**Reisman, David**

*Stability of the p53 Tumor Suppressor Gene in Barn Swallows of Chernobyl, Ukraine - (KA06)*
*SC Cancer Center*

$10,000

**You, Sjaojin**

*Establishment of a Mouse Mammary Tumor Cell Line to Study the Hormonal Dependence and Tumor Surgical Curability - (KA05)*
*SC Cancer Center*

$13,900

School of the Environment

*Earth Sciences & Resources Institute*

**Rine, James**

*Implementation of a Nonpoint Source Education for Municipal Officials (NEMO) Program - (F146)*
*SC Sea Grant Consortium/SCDHEC/NOAA*

$18,809

Vice President for Research

*NanoCenter*

**Baird, Davis**

*NIRT: Philosophical and Social Dimensions of Nanoscale Research: Developing a Rational Approach to a Newly Emerging Science and Technology - (FA17)*
*USCRF/National Science Foundation (NSF) - General*

$174,985

**Chen, Donna**

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

$95,449

**Grand Total**

$14,575,746