College of Education

Educational Psychology
Seaman M.

Evaluation of Columbia College's Project: A New Approach to Developmental Algebra - (F144) $33,364
Columbia College/NSF

Instruction & Teacher Education
DeFord D.

Reading Recovery Contract for University Training Center (UTC) at Clemson University - (GJ01) $21,031
Clemson University/SC Department of Education

Singer J.

USC-PT3 Consortium to Improve the Technology Education of Pre-Service Teachers - (FJ02) $11,571
US Department of Education

Educative Curriculum: Professional Development Through Curriculum Construction - (FL04) $70,994
SC Commission on Higher Education/USDE

College of Engineering & Information Technology

Chemical Engineering
Popov B.

Corrosion Evaluation of MMFX Reinforcing Steel - (JA05) $20,421
USCRF/MFX Steel Corporation of America

Development of a New Process for Plating Thin Films of ZN-Ni-P-X(X-Pb,Bi,Ge,Mo, or Cd (1-5%) Quarternary Alloys on to Steel to Prevent Corrosion and Hydrogen Embrittlement - (KA03) $25,000
American Electroplaters & Surface Finishers Society, Inc.

Civil & Environmental Engineering
Harries K.

Physical Characteristics of Deteriorated RCP Repaired with Epoxy Materials - (JA02) $7,226
USCRF/Warren Environmental, Inc.

Imran J.

Career: Experimental and Numerical Modeling of Flow and Morphology Associated with Meandering Submarine Channels - (FA13) $98,478
USCRF/National Science Foundation (NSF) - General
Computer Science & Engineering

Huhns M.

GA: Jewelrama, Inc. - (JP22)  
Jewelrama, Inc.  
$1,225

Matthews M.

GA: Coastal Science and Engineering, LLC - (JP23)  
Coastal Science & Engineering, LLC  
$4,101

Electrical Engineering

Huhns T.

Research Allocation in Dynamic Uncertain Domains - (F168)  
Air Force Research Laboratory/DARPA  
$35,000

Engineering & Information Technology, College of

White R.

Lead Auditor Course - (GA07)  
SC Manufacturing Extension Partnership  
$10,000

Mechanical Engineering

Baxter S.

CAREER: Effects of Microstructural Randomness in Composite Processing - (F170)  
National Science Foundation (NSF) - General  
$12,000

Darabi J.

A Source-Integrated Micro Cooling Device - (FA20)  
USCRF/Advanced Thermal & Environmental Concepts, Inc./DOD  
$28,995

Lyons J.

Creep and Rupture of Thermoplastics - (J124)  
USCRF/Solvay Advanced Polymers, LLC  
$39,890

Sutton M.

NASA EPSCoR - Year 5 - (FA19)  
National Aeronautics & Space Administration (NASA) - General  
$24,056

College of Journalism & Mass Communications

Journalism & Mass Communications, College of

Holmes C.

The Media and the Message - (KA01)  
USCRF/Lilly Endowment, Inc.  
$35,044
**College of Liberal Arts**

**French & Classics**

*Day J.*

- *Advanced Placement Teacher Training Institute for French Language* - (GL00) $7,533

**Geography**

*Jensen J.*  
*Cowen D.*

- *Program for a NASA Affiliated Research Center Program at the University of South Carolina* - (F165) $100,000

**History**

*Wilson C.*

- *The Papers of John Calhoun* - (L108) $1,000

**Institute for Southern Studies**

*DePratter C.*

- *Santa Elena Project* - (K103) $25,346

**McKissick Museum**

*Swager K.*

- *Palmetto Silver: Rags to Riches* - (GA00) $12,320

**Psychology**

*Follingstad D.*

- *GA: Department of Family & Preventive Medicine* - (LP05) $2,000

*Kelly S.*

- *Alcohol Exposure, Social Behavior and Development* - (FA06) $316,684

*Richards J.*

- *Development of Sustained Attention in Infants* - (FA04) $256,095

*Traxler M.*

- *Working Memory Effects in Sentence Comprehension* - (FA05) $97,790
Public Service & Policy Research, Institute for
Bryan C.

Center for Bioethics - (L102)  
USC School of Medicine Educational Trust  
$45,000

College of Pharmacy

Basic Pharmaceutical Sciences
Zhu B.

Modulation of Estrogen Metabolism in Human Mammary Cells by Dietary Chemicals - (KA01)  
USCRF/American Institute for Cancer Research  
$135,962

Pharmacy & Health Outcomes Sci.
Reeder C.

Fellowship in Pharmacoeconomics and Health Outcomes Research - (JA02)  
GlaxoSmithKline Pharmacoeconomics  
$20,118

College of Science and Math

Baruch Institute
Lewitus A.

SC Department of Natural Resources/NOAA  
$135,858

Biological Sciences
Ely B.

REU Site: Undergraduate Research in Integrative Evolutionary Biology - (FA21)  
USCRF/National Science Foundation (NSF) - General  
$11,742

Helmuth B.

Symposium: Physiological Ecology of Rocky Intertidal Organisms - (FA25)  
USCRF/National Science Foundation (NSF) - General  
$2,000

Latitudinal Patterns of Thermal Stress: Linking Physiology, Ecology and Global Climate Change - (KA01)  
USCRF/National Geographic Society  
$20,050
**Biological Sciences**

Hughes A.

*Evolution of Immune Recognition and Evasion - (F194)*
National Institute of General Medical Sciences/NIH  
$42,078

Marton L.

*Enhancement of Phytoremediation at the TNX Outfall Delta Using Elite Hyper-Accumulator Plant Lines Generated from Local Fern Species - (FA03)*
SC Universities Research & Education Foundation/DOE  
$53,556

Morris J.

*Coastal Wetland Indicators - (FA17)*
USCRF/University of North Carolina/EPA  
$227,952

Vance V.

*Regulation of Post-Transcriptional Gene Silencing - (FA09)*
National Institute of General Medical Sciences/NIH  
$209,525

**Chemistry & Biochemistry**

Berg M.

*Ultrafast DNA Dynamics Using Novel Photophysical Probes - (FA03)*
National Institute of General Medical Sciences/NIH  
$193,160

Dawson J.

*Editing: Journal of Inorganic Biochemistry - (J400)*
Elsevier Science  
$5,668

**Geological Sciences**

Kellogg J.

*Structural Modeling, Bloque Boqueron, Upper Magdalena Valley, Colombia - (JA00)*
Petrobras Colombia, Ltd.  
$8,415

Knapp J.

*Equatorial Guinea Training Support - (KA00)*
USC Educational Foundation  
$5,532

Thunell R.

*Collaborative Research: A High Resolution Study of Sea Surface Temperature Variability in the Indo-Pacific Warm Pool - (FA06)*
National Science Foundation (NSF) - General  
$93,230

Torres R.

*Coastal Wetland Indicators - (FA15)*
USCRF/University of North Carolina/EPA  
$71,684
Physics & Astronomy  
Blanpied G.  

*Professional Development in Discovery-Based Physical Science Laboratory and Demonstration* - (FJ00)  
SC Commission on Higher Education/USDE  

$34,776  

Johnson J.  

*Development of a South Carolina Statewide Prosecution Case Management System* - (FA11)  
SC Commission on Prosecution Coordination/SCDOT/DOPS  

$189,930  

Statistics  
Grego J.  

*Evaluation of HBCU-UP Planning Grant* - (FA07)  
USCRF/Benedict College/NSF  

$1,500  

College of Social Work  
Social Work, College of  
Wright L.  

*AECF Consultation* - (KL02)  
USCRF/Annie E. Casey Foundation  

$16,852  

*Social Work Training for DSS Staff and Agents* - (FJ03)  
SC Department of Social Services/HHS  

$100,000  

*It's OK to Wait* - (FA05)  
SC DHEC Pee Dee Health District/HHS  

$20,000  

*Dying Well-An Interfaith Approach for Community Volunteers* - (KL03)  
SC Hospital Association  

$60,000  

Darla Moore School of Business  
Business Administration - Division Of Research  
Roenfeldt R.  

*GA: City of Columbia-Office of Economic Development* - (HP01)  
City of Columbia-Office of Economic Development  

$1,004  

*GA: SunBelt Golf Development* - (JP44)  
Sunbelt Golf Development  

$1,092  

*GA: Resource Bancshares Mortgage Group* - (JP29)  
Resource Bankshares Mortgage Group  

$2,500  

*GA: The Norton Group* - (JP25)  
The Norton Group  

$1,025  

*GA: ALTEC Laundry Equipment, LLC* - (JP42)  
Altec Laundry Equipment  

$1,005
### Business Administration - Division Of Research

<table>
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<th>Organization</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Carolina First Bank</td>
<td>$2,550</td>
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<td>American Red Cross</td>
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<td>Wateree Dive Center, Inc.</td>
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<td>Conita Technologies</td>
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<td>The Grier Law Firm</td>
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<td>American Civil Liberties Union</td>
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<td>Investment Services Corporation</td>
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### Division of Student Affairs

#### Student Health

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<thead>
<tr>
<th>Grant Name</th>
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<tbody>
<tr>
<td>Grant to Combat Violent Crimes Against Women on Campus</td>
<td>$230,143</td>
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#### English Program for Internationals

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<tr>
<td>Professional Development Seminar for Teachers of English and American</td>
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<td>Studies from Kazakhstan and Russia</td>
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### Institute for Families in Society

#### Pee Dee Area Legal Services Enhancement

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<td>SC Department of Public Safety/DOJ</td>
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<td>SC Department of Public Safety/DOJ</td>
<td>$77,654</td>
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Norman J. Arnold School of Public Health

Environmental Health Sciences

Porter D.

Establishment of an Internship Program between ENHS and Richland County - (HA01) $26,031
Richland County

Epidemiology & Biostatistics

Cornman C.

To Provide Technical Assistance, Training Materials, and Development and Evaluation of the Real Choice Systems Change Grant - (FL00) $440,322
SC Department of Health & Human Services/HHS

Hebert J.

Adolescent Women Dietary/Physical Activity Recall Project - (FA15) $113,616
USCRF/Emory University/NIH

Exercise Science

Carson J.

Smooth Muscle Gamma-actin Gene Activation by RhoA: A Potential Role in Smooth Muscle Mechanical Signaling - (K149) $40,000
American Heart Association

Davis M.

Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - (J120) $25,000
Quaker Oats

Health Administration

Probst J.

GA: Companion Health Care - (JP14) $3,584
Companion Health Care

Health Promotion & Education

Richter D.

Enhancing CBO Capacity for HIV Prevention - (FA12) $540,890
USCRF/Association of Schools of Public Health/CDC

Sargent R.

GA: SC Campaign to Prevent Teen Pregnancy - (KP04) $2,500
SC Campaign to Prevent Teen Pregnancy

GA: Carolina Care - (JP14) $3,000
Carolina Care

GA: South Carolina Campaign to Prevent Teen Pregnancy - (KP03) $3,600
SC Campaign to Prevent Teen Pregnancy
**Prevention Research Center**

*Ainsworth B.*

*SIP 14-01: Toward Comprehensive Nutrition and Physical Activity Surveillance* - (FA27)
USCRF/Harvard School of Public Health/CDC

$19,190

**Pate R.*

*Evaluation of the Active for Life Program* - (KA03)
USCRF/Robert Wood Johnson Foundation

$376,416

**Regional and Four-Year Campuses**

*USC Aiken*

*Gregg P.*

*Middle School Science and Mathematics Project* - (FL10)
SC Commission on Higher Education/USDE

$60,339

*Hanlin H.*

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

$5,705

*USC Beaufort*

*Chamberlain E.*

*The Beaufort Fund USC Beaufort Library Sponsorship* - (KL02)
The Community Foundation, Inc.

$5,000

*Sproul G.*

*Inquiry-Based Science in a Coastal Learning Environment* - (FJ00)
SC Commission on Higher Education/USDE

$46,628

*Yanker M.*

*National Reconstruction Heritage Area Feasibility Study* - (FL04)
SC Humanities Council/NEH

$10,000

*USC Spartanburg*

*Adair C.*

*Bridges to Success in Mathematics* - (FL11)
SC Commission on Higher Education/USDE

$33,048

*Duarte V.* *Reed T.*

*Preparing Pre-Service Teachers for Diverse Communities* - (FL14)
SC Department of Education/USDE

$2,000

*Love C.*

*Hope VI Henderson Child Care Center* - (FL10)
Spartanburg Housing Authority/HUD

$424,989
USC Spartanburg

Pae H.

Learning Disability Collaborative - (FL13)  
SC Department of Education/USDE  
$2,000

Shelly A. Washburn S.

PDS Partnerships - (FL12)  
SC Department of Education/USDE  
$2,000

Turner J.

Microbiobial Study - (L101)  
Milliken & Company  
$930

School of Medicine

Developmental Biology & Anatomy

Borg T.

Administrative Core (COBRE) - (FA07)  
USCRF/Medical University of South Carolina/NIH  
$40,528

Family & Preventive Medicine

McDermott S.

Data Management and Biostatistics for "Steps to Your Health Program" - (GL02)  
SC Department of Disabilities & Special Needs  
$15,000

Internal Medicine

Moloo J.

Antihypertension Lipid Lowering Heart Attack Trial (ALLHAT) Vanguard Center - (F102)  
University of Texas/NIH  
$970

Neuropsychiatry

Wilson J.

Interim Executive Director, Catawba Mental Health Center - (GL01)  
SC Department of Mental Health  
$72,000

Pediatrics/Center for Developmental Disabilities

Peters R.

Novo Nordisk SimpleXx 2051 - (JA00)  
Novo Nordisk Pharmaceuticals  
$6,600

Pharmacology & Physiology

Wolf M.

Doxorubicin, Ceramide abnd Oxidativestress-Induced Endothelial Dysfunction - (KA02)  
USCRF/SC Institute for Medical Education & Research  
$10,000
Research & Special Projects

Fowler S.

SC Consortium for Geriatrics - (L101)
Palmetto Richland Memorial Hospital

South Carolina Consortium for Cardiovascular Disease and Stroke - (L100)
Palmetto Richland Memorial Hospital

South Carolina Cancer Center

Fowler S.   Lamb L.

Targeted Monoclonal Antibody Therapy for Acute Lymphoblastic Leukemia - (KA02)
SC Cancer Center

$15,046

Surgery

Nottingham J.

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)
Quintiles Pacific, Inc.

$47,950

School of the Environment

Earth Sciences & Resources Institute

Kloot R.   Shafer J.

Natural Resources and Conservation Decision - Support System - (F144)
USDA Natural Resources Conservation Service

$450,000

School of the Environment

Coull B.

Sustainable Universities Initiative - (K101)
USC Education Foundation/Kann Rasumssen Fdn.

$250,000

University Libraries

Thomas Cooper Library

Chesnutt D.

Model Editions Partnership - (FA02)
USCRF/National Archives and Records Administration

$175,382

Grand Total

$7,043,817