SPONSORED PROGRAMS and RESEARCH
Award Activity – June 2004

Education, College of

Education Leadership & Policies
Lowery, John
* GA: Area Coordinator for Upperclass Housing - (15230-LP06) $12,500
  Sponsor: Columbia College

* GA: Orientation and Leadership Development - (15230-LP07) $12,538
  Sponsor: Columbia College

* GA: Student Activities and Student Union Programs - (15230-LP08) $12,538
  Sponsor: Columbia College

* GA: Student Affairs Program Coordinator - (15230-LP05) $12,500
  Sponsor: Columbia College

Educational Psychology
Brown, William
* Preparation of Leadership Personnel - (15240-FJ00) $199,271
  Sponsor: US Department of Education (USDE) - General

Johnson, Robert
* Analysis of Survey Response for South Carolina READS - (15290-GL09) $36,668
  Sponsor: SC Department of Education

Physical Education
French, Karen
* GA: Richland School District 1 - (15210-HP00) $32,000
  Sponsor: Richland School District One

* USDA Summer Feeding Program - (15210-FL03) $771,810
  Sponsor: US Department of Agriculture (USDA) - General

School Improvement Council Assistance
Norman, Jean
* South Carolina School Improvement Council - (15280-GL04) $180,192
  Sponsor: SC Legislative Council
Engineering & Information Technology, College of

Chemical Engineering

Amiridis, Michael
* Synthesis and Studies of Bimetallic Catalysts in Solution on Supports - (15510-FA54) $95,000
  
  **Sponsor:** US Department of Energy (DOE) - General

Gatzke, Edward
* CAREER: Mixed-Integer Nonlinear Programming Approaches for Hydrogen Production Systems - (15510-FA35) $6,000
  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General

Matthews, Michael
* Phase I of Research on Powder Sodium Borohydride - (15510-JA39) $13,729
  
  **Sponsor:** USCRF/Daimler Chrysler

* Processing of Materials for Improved Biocompatibility -Supplement for Underrepresented Minorities - (15510-FA53) $5,736
  
  **Sponsor:** USCRF/National Institute of Biomedical Imaging and Bioengineering/NIH

* Processing the Materials for Improved Biocompatibility - (15510-FA17) $504,453
  
  **Sponsor:** USCRF/National Institute of Biomedical Imaging & Bioengineering/HHS

Popov, Branko
* Development of a New Composite Cathode for Primary Batteries Based on AgV205 Doped with Polypyrrole or Strontium - (15510-JA38) $170,759
  
  **Sponsor:** USCRF/Pacesetter, Inc./St Jude Medical

Van Zee, John
* Performance and Corrosion Testing of 5-Cell PEMFC Stack - (15510-FA52) $15,000
  
  **Sponsor:** Tennessee Technological University/DOE

Civil & Environmental Engineering

Gassman, Sarah
* Improving the Safety of South Carolina's Bridge Infrastructure Through Non-Destructive Evaluation of Unknown Bridge Foundations - (15520-FA26) $34,200
  
  **Sponsor:** SC State University/DOT

Computer Science & Engineering

Buell, Duncan
* Library Development and Experiments Using Prototype Reconfigurable Computing Machines - (15590-FA23) $199,994
  
  **Sponsor:** USCRF/George Washington University/National Security Age

  **Co-PI:** Davis, J. Mark
Computer Science & Engineering

Farkas, Csilla

* CAREER: Semantic Web-Interoperation versus Security - (15590-FA16) $95,973

Sponsor: USCRF/National Science Foundation (NSF) - General

Huhns, Michael

* Database Research and Construction for Vehicle Management - $21,620

Sponsor: SC Budget & Control Board


Sponsor: Global Infotek, Inc.

* JIDOKA Project - (15590-FA22) $640,045

Sponsor: USCRF/Oakland University/TACOM

Co-PI: Vargas, J. G., Khan, Jamil

Wang, Song

* Shape Exploration for Medical Applications---From $6,000
  Representation, Correspondence, Deformation to Image Segmentation -

Sponsor: USCRF/National Science Foundation (NSF) - General

Co-PI: Kubota, Toshiro

Electrical Engineering

Brice, Charles

* Fast Protection of Shipboard Electrical Power Systems - (15530-FA30) $9,677

Sponsor: USCRF/Barron Associates, Inc.

Khan, Asif

* Deep UV Emitters Based on Quaternary AlIGaN Multiple Quantum Well $400,000
  Heterostructures - (15530-FA18)

Sponsor: USCRF/US Army/DOD

Simin, Grigory

* WBGS Epitaxial Materials Development and Scaleup for rf/Micro-wave $350,000
  Millimeter Wave Devices - (15530-FA16)

Sponsor: USCRF/Defense Advanced Research Projects Agency (DARPA)/DOD

Sudarshan, Tangali

* Lapping and Polishing of Silicon Carbide Wafers - (15530-LA00) $6,000

Sponsor: USCRF/Various Sponsors

Engineering & Information Technology, College of

White, Ralph

* SCAMP State Matching Funds for Summer Bridge Workshop - (15580-GA11) $4,811

Sponsor: SC State University
Engineering & Information Technology, College of
* Utilizing Pre-Engineering Programs to Enhance Teacher Quality in SC Schools - (15500-KL02)
  
  **Sponsor:** Bell South/SC Department of Education
  
  **Amount:** $20,000

Mechanical Engineering

Giurgiutiu, Victor

* Structural Health Monitoring System using Embedded Piezoelectric Active Sensors - (15540-FA44)
  
  **Sponsor:** USCRF/Universal Technology/AFRL
  
  **Amount:** $120,000

Reynolds, Anthony

* Ballistic Shields - (15540-FA43)
  
  **Sponsor:** USCRF/US Army Research Laboratory/DOD
  
  **Co-PI:** Sutton, Michael, Giurgiutiu, Victor
  
  **Amount:** $680,000

* Damage Tolerance of Built-up FSW Aluminium Aerospace Structures - (15540-JA19)
  
  **Sponsor:** USCRF/Boeing Corporation
  
  **Co-PI:** Sutton, Michael
  
  **Amount:** $7,500

Environment, School of the

Earth Sciences & Resources Institute

Kloot, Robin

* Natural Resources and Conservation Decision - Support System -
  
  **Sponsor:** Natural Resources Conservation Services/USDA
  
  **Co-PI:** Shafer, John
  
  **Amount:** $19,800

Environment, School of the

Temples, Tom

* Uranium Anomalies in Domestic Water Wells of the Coastal Plain -
  
  **Sponsor:** USCRF/US Department of Energy (DOE) - General
  
  **Amount:** $241,000

Hospitality, Retail & Sport Management, College of

Hotel, Restaurant & Tourism Management

Boger, Carl

* Alfred P. Sloan Foundation Travel and Tourism Industry Center -
  
  **Sponsor:** USCRF/Alfred P. Sloan Foundation
  
  **Co-PI:** Woodward, Douglas, Morse, Steve
  
  **Amount:** $400,000
Retailing, Center for
Fowler, Deborah
* How Can Retailers Respond to the Hispanic/Latina Immigration and Ethnicity Trends in Non-Traditional Areas? - (14010-KA01) $14,483
  Sponsor: International Council of Shopping Centers Education Foundation

Law Enforcement & Safety

Law Enforcement & Safety
Wuchenich, Christopher
* Criminal Justice Information System: NCIC 2000 and Mobile Data - $39,958
  Sponsor: SC Department of Public Safety/DOJ
  Co-PI: Whitlock, Gayle

Liberal Arts, College of

Archaeology & Anthropology, SC Institute of
Smith, Steven
* Archaeological Assessment of Gilbert Town, North Carolina - (21300-FA21) $2,150
  Sponsor: USCRF/Thomason & Associated/National Register

English
Myers-Scotton, Carol
* Steps in Grammatical Turnover Shift - (12530-FA02) $77,422
  Sponsor: USCRF/National Science Foundation (NSF) - General

Geography
Cowen, David
* SC Education Oversight Committee Research Services Agreement - $4,500
  Sponsor: SC Education Oversight Committee

Hardisty, Frank
* Improving Geographic Visualization for Data Analysis - (13540-GA01) $49,250
  Sponsor: Office of the Adjutant General

  * Prostate Cancer ESDA and Spatial Analysis - (13540-FA27) $6,616
    Sponsor: USCRF/Penn State/CDC

Jensen, John
* Program for a NASA Affiliated Research Center Program at the University of South Carolina - (13540-F165) $200,000
  Sponsor: National Aeronautics and Space Administration
  Co-PI: Cowen, David
Geography
Mock, Cary
* Historical Climate Data Catalogue - (13540-FA26) $7,800
   Sponsor: USCRF/National Oceanic & Atmospheric Administration (NOAA)/DOC

History
Grier, Katherine
* GA: SC Department of Archives & History - (13550-GP26) $13,608
   Sponsor: SC Department of Archives & History

Psychology
Allen, Gary
* Professional Development Institute (PDI) for Exemplary Use of Math and Science Instructional Materials - (17110-GL21) $25,030
   Sponsor: SC Department of Education

Baylis, Gordon
* Mechanisms of Perceptual Extinction Following Stroke - (13580-FA19) $203,015
   Sponsor: USCRF/National Institute of Neurological Disorders & Stroke (NINDS)/NIH

Booze, Rosemarie
* Neurodevelopment Basis(es) of Nicotine Sensitization - (13580-FA13) $291,000
   Sponsor: USCRF/National Institute on Drug Abuse/NIH

Kloos, Bret
* Housing, Adaptive Functioning, and Serious Mental Illness - (13580-FA21) $154,289
   Sponsor: USCRF/National Institute of Mental Health (NIMH)/NIH

Mactutus, Charles
* Maternal HIV: Developmental Neurotoxicity - (13580-FA22) $294,638
   Sponsor: USCRF/National Institute of Child Health & Human Development (NICHD)/NIH

Schatz, Jeffrey
* Anemia Brain Functioning and Cognitive Development in Children with Sickle Cell Disease - (13580-KA01) $139,972
   Sponsor: USCRF/March of Dimes

   * GA(1): Continuum of Care - (13580-GP15) $18,000
     Sponsor: Continuum of Care/Governor's Office

   * GA: Earle E. Morris Alcohol and Addiction Treatment Center - (13580-GP01) $24,000
     Sponsor: SC Department of Mental Health
Psychology

* GA: Palmetto Health Alliance - (13580-LP07)  
  Sponsor: Palmetto Health Alliance  
  $14,500

* GA: SC Department of Mental Health - (13580-GP16)  
  Sponsor: SC Department of Mental Health  
  $35,466

Public Service & Policy Research, Institute for
Oldendick, Robert

* Pregnancy Risk Assessment Monitoring Systems - (21100-FA05)  
  Sponsor: SC Department of Health & Environmental Control/CDC  
  $16,000

* Public Perceptions of the South Carolina Department of Health and Environmental Control - (21100-GA01)  
  Sponsor: SC Department of Health & Environmental Control  
  $6,250

Sheheen, Fred

* The SC Civil/Human Rights Anthology Project - Revenue Account -  
  Sponsor: Various Sources  
  $6,250

Sociology

Thye, Shane

* Collaborative Research on the Affective Bases of Social Order - (13530-FA04)  
  Sponsor: USCRF/National Science Foundation (NSF) - General  
  $82,870

Mass Communications & Information Studies, College of

Journalism & Mass Communications, School of
Jackson, Patricia

* Burroughs Early Head Start Classroom - (17880-FL36)  
  Sponsor: Spartanburg County First Steps/HHS  
  $21,423

* Communications Training Course - (15600-FL26)  
  Sponsor: USCRF/Social Security Administration  
  $69,703

Library & Information Sciences, School of
Barron, Daniel

* GA: Kershaw County Public Library - (15700-HP05)  
  Sponsor: Kershaw County Public Library  
  $10,125
Medicine, School of

Family & Preventive Medicine
   Baxley, Elizabeth
      * Minority Faculty Fellowship - (18130-FJ01) $54,500
         Sponsor: Health Resources & Services Administration/HHS
      * Palmetto Health Affiliation - (18130-K101) $804,980
         Sponsor: Palmetto Health Alliance

Bostick, Roberd
   * Vitamin D/Calcium Polyp Prevention Study - (18130-FA06) $49,703
      Sponsor: USCRF/Emory University/NCI/NIH

Internal Medicine
   Chillag, Shawn
      * Palmetto Health Affiliation - (18190-K101) $1,223,415
         Sponsor: Palmetto Health Alliance

   Talwani, Rohit
      * HOPWA Case Case Management for HIV/AIDS Clients - (18190-FL21) $50,000
         Sponsor: USCRF/City of Columbia/HUD
      * South Carolina AIDS Education and Training Center (ATEC) - (18190-FJ01) $117,962
         Sponsor: Emory University/HHS

Medicine, School of - (Dean)
   Faulkner, Larry
      * Palmetto Health Affiliation - (18260-K101) $157,084
         Sponsor: Palmetto Health Alliance

Fowler, Stanley
   * Stevens Foundation Scholarship - John Baker - (18360-KJ00) $11,000
      Sponsor: John T. Stevens Foundation

Microbiology & Immunology
   Fox, Alvin
      * Function of the bacillus anthracis spore carbohydrate - (18060-FA12) $114,347
         Sponsor: USCRF/Kansas State University/NIH
Neuropsychiatry
Froehlich, Robert
* Rehabilitation Long-Term Training: Rehabilitation Counseling - $98,017
  Sponsor: US Department of Education (USDE) - General

Harding, Richard
* Palmetto Health Affiliation - (18120-K101) $729,574
  Sponsor: Palmetto Health Alliance

Obstetrics & Gynecology
Bacon, Janice
* Palmetto Health Affiliation - (18110-K101) $1,022,254
  Sponsor: Palmetto Health Alliance

Ophthalmology
Davis, Richard
* Palmetto Health Affiliation - (18150-K101) $557,193
  Sponsor: Palmetto Health Alliance

Orthopaedics Surgery
Eady, John
* Palmetto Health Affiliation - (18160-K101) $630,714
  Sponsor: Palmetto Health Alliance

Pathology & Microbiology
Wargovich, Michael
* Evaluation of Antioxidant and Anti-carcinogenic Activities of Turmeric and Vetiver Oils - (18060-KA01) $1,000
  Sponsor: USCRF/Clemson University/SC Nutrition Research Consortium

Pediatrics
Derrick, C. Warren
* Palmetto Health Affiliation - (18140-K101) $651,985
  Sponsor: Palmetto Health Alliance

Ferrante, Richard
* CARE - Columbia - (18140-GL17) $143,550
  Sponsor: SC Department of Disabilities and Special Needs
Pediatrics
* Training Materials and Programs for SCDDSN - (18140-GL15)  
  **Sponsor:** SC Department of Disabilities & Special Needs  
  **Amount:** $4,000

* Training Programs and Technical Assistance for Staff - (18140-GL18)  
  **Sponsor:** SC Department of Disabilities and Special Needs  
  **Amount:** $468,172

Pharmacology, Physiology & Neuroscience
  McDonald, Alexander
  * Synaptic Organization of the Basolateral Amygdala - (18080-FA01)  
    **Sponsor:** USCRF/National Institute of Neurological Disorders & Stroke (NINDS)/NIH  
    **Amount:** $318,035

Surgery
  Bell, Richard
  * Palmetto Health Affiliation - (18200-K101)  
    **Sponsor:** Palmetto Health Alliance  
    **Amount:** $905,473

Nursing, College of

Nursing
  Fuller, Sara
  * Expanded Primary Care Services to an Urban Area - (11230-FJ02)  
    **Sponsor:** USCRF/Health Resources & Services Administration (HRSA)/HHS  
    **Amount:** $215,603

Pharmacy, College of

Pharmacy - (General)
  Lingle, William E.
  * Review of Data Regarding Pharmacy Utilization Identify High Utilizers and Provide Recommendations - (11150-FA01)  
    **Sponsor:** SC Department of Health & Human Services/HHS  
    **Amount:** $212,267

Public Health, Arnold School of

Communication Sciences & Disorders
  Martin, Judith
  * USC Stuttering Institute: Fluency Roundup II - (11560-FJ01)  
    **Sponsor:** SC Department of Education/USDE  
    **Amount:** $4,000

  Frank, Elaine
Epidemiology & Biostatistics

Cornman, Carol
* Alzheimer's Disease Registry Management, Training and Development Related to Dementia - (11580-FA08) $75,000
  
  **Sponsor:** SC Department of Health & Human Services/HHS

Drane, J. Wanzer
* Development of Long-Term Institutional Linkage into Research of Non Cancer Morbidity of Chernobyl Children - (10060-KJ01) $25,000
  
  **Sponsor:** Council for International Exchange of Scholars

Hebert, James
* Behavior Change Consortium - Dietary Supplement Study - (11520-FA41) $22,435
  
  **Sponsor:** USCRF/Harvard School of Public Health/NCI/HHS

Mayer-Davis, Elizabeth
* Diabetes Prevention Program Outcomes Study (DPPOS) - (11520-FA37) $27,623
  
  **Sponsor:** USCRF/George Washington University/NIH

* Treatment of Options for Type 2 Diabetes in Adolescents and Youth (TODAY) - (11590-FA05) $37,586
  
  **Sponsor:** USCRF/The George Washington University/HHS

Exercise Science

Bopp, Melissa
* Evaluation of Faith-Based, Behavior Change Physical Activity Program - (11530-KA11) $5,000
  
  **Sponsor:** American College of Sports Medicine

  **Wilcox, Sara**

Williams, Harriett G.
* National Writing Project - (12530-FL03) $43,000
  
  **Sponsor:** National Writing Project/USDE

Wilson, Dawn
* Self-Determination for Increasing Physical Activity - (11570-FA48) $531,247
  
  **Sponsor:** USCRF/National Institute of Child Health & Human Development (NICHD)/NIH

Health Promotion, Education & Behavior

Corwin, Sara
* SC Campaign to Prevent Teen Pregnancy - Faculty Consulting Contract - (11500-KL01) $5,250
  
  **Sponsor:** SC Campaign to Prevent Pregnancy
Health Promotion, Education & Behavior
Neal, Albert
* National Youth Sports Program (NYSP) Supplementary Grant A1 - $12,000
  Sponsor: USCRF/Family Service Center

* National Youth Sports Program Supplementary Grant A2 - (11540-LL00) $5,000
  Sponsor: USCRF/Palmetto Health Alliance

Parra-Medina, Deborah
* USC STEP UP - (11540-KA02) $49,407
  Sponsor: USCRF/Association of School of Public Health

Richter, Donna
* Disaster Response Training for the SC DMH (Conference Budget) - $8,866
  Sponsor: SC Department of Mental Health/DHHS
  Co-PI: Baker-Reese, Lisa, Richter, Jane

* Disaster Response Training for the SC DMH (Training Budget) - (11540-FJ06) $48,750
  Sponsor: SC Department of Mental Health
  Co-PI: Baker-Reese, Lisa, Richter, Jane

Umstaddd, Renee
* Mediating Effects of Self Regulation on Older Adult's PA - (11540-KA04) $5,000
  Sponsor: USCRF/American College of Sports Medicine Foundation

Health Services & Policy Research, Center for
Murday, David
* Planning and Facilitation Assistance to DHEC - (11580-FL07) $7,100
  Sponsor: SC Department of Health and Environmental Control

Health Services Policy & Management
Laditka, Sarah
* Baromedical Research Foundation - (11550-KP12) $3,294
  Sponsor: Baromedical Research Foundation

Research & Health Sciences, Vice President
Research, Vice President for
Pastides, Harris
* CoEE NanoStructures (Webb) - (22000-GA10) $1,200,000
  Sponsor: SC Commission on Higher Education

* CoEE Polymer NanoComposites - (22000-GA12) $500,000
  Sponsor: SC Commission on Higher Education
Research, Vice President for
* CoEE Tourism - (22000-GA11)  $2,000,000
  Sponsor: SC Commission on Higher Education

* Strom Thurmond Fitness and Wellness Center - (22000-FL01)  $4,970,500
  Sponsor: US Department of Education (USDE) - General

Science and Mathematics, College of

Baruch Institute
Fletcher, Madilyn
* LTREB: Long Term Studies of Salt Marsh Primary Production - (21600-FA53)  $60,000
  Sponsor: USCRF/National Science Foundation (NSF) - General

Kulkarni, Nitin
* Relationship of Phytoplankton-Dimethylsulfinopropionate (DMSP) to Community Structure in a Salt Marsh Tidal Creek - (21600-KA13)  $1,173
  Sponsor: Slocum-Lunz Foundation

Biological Sciences
Berke, Sarah
* Fitness Impacts of Decorating Behavior: A Model and Experimental Tests - (21600-KA12)  $1,200
  Sponsor: Slocum-Lunz Foundation

Dewey, Michael
* Peromyscus Models for Biomedical Research - (13010-FA70)  $40,000
  Sponsor: USCRF/National Center for Research Resources (NCRR)/NIH

Helmuth, Brian
* Expanding the Rising Tide Project: Changing How Researchers, Educators, and Students Work Together - (21600-FA66)  $16,836
  Sponsor: SC Sea Grant Consortium/NOAA

Hughes, Austin
* Gene Duplication and Genome Evolution - (13010-FA38)  $145,500
  Sponsor: USCRF/National Institute of General Medical Sciences (NIGMS)/NIH

Morris, James
* Plum Island Ecosystems LTER - (21600-FA67)  $30,000
  Sponsor: Marine Biological Laboratory/NSF
Biological Sciences

Stratmann, Johannes
* Regulation of the SR160/tBRI1 Kinase Domain by Systemin,Brassinolide and Ultraviolet-B Radiation - (13010-FA71) $15,000
  
  Sponsor: National Science Foundation (NSF) - General

Tufford, Daniel
* State-of-Knowledge Report for South Carolina Coastal Wetland Impoundments - (13010-FL05) $31,142
  
  Sponsor: SC Sea Grant Consortium/NOAA

Woodin, Sarah
* Real-Time Measurements of Sediment Modification by Large Macrofauna - (13010-FA49) $20,000
  
  Sponsor: USCRF/Office of Naval Research/DOD

Chemistry & Biochemistry

Adams, Richard
* Metal Segregated Cluster Complexes: Organometallic Models for Bimetallic Synergism and Interface Activity - (13020-F195) $95,000
  
  Sponsor: US Department of Energy (DOE) - General

* Sulfides and Disulfides of Di- and Polymetallic Carbonyl Complexes: Precursors to Nano-Catalysts and Nano-Structured Materials - (13020-FA67) $132,000
  
  Sponsor: USCRF/National Science Foundation (NSF) - General

Baynes, John
* International Maillard Symposium - (13020-LL00) $4,000
  
  Sponsor: USCRF/Medical University of South Carolina

Berg, Mark
* Condensed-Phase Dynamics by Ultrafast Nonlinear Spectroscopy - $114,950
  
  Sponsor: USCRF/National Science Foundation (NSF) - General

Dawson, John
* Editing: Journal of Inorganic Biochemistry - (13020-J400) $2,834
  
  Sponsor: Elsevier Science, Inc.

Lebioda, Lukasz
* Structure and Mechanism of ClpB from E. Coli (Fellowship Award) - $28,489
  
  Sponsor: National Institute of General Medical Sciences
  
  Co-PI: Bell, Brittnaire
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<th>Name</th>
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<tr>
<td>Myrick, Michael</td>
<td>* Quantification of Infrared Reflection Absorption Spectroscopy (IRAS) Cross Sections of Micron-Sized Dielectric Particles on Metal Surfaces for Multivariate Optical Computing Applications - (13020-FA69)</td>
<td>USCRF/US Army Robert Morris ACQ CTR/DOD</td>
<td>$41,584</td>
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<td>* Subcontract Proposal to Foster Miller Inc. for inclusion in &quot;Innovative Lubricant Modeling Using Optical Computing - (13020-FA66)</td>
<td>USCRF/Foster-Miller/ONR</td>
<td>$30,641</td>
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<td>Wang, Qian</td>
<td>* MURI: Bio-Directed Hierarchical Assembly of Multifunctional Materials - (13020-FA68)</td>
<td>USCRF/University of Massachusetts/ARO</td>
<td>$79,675</td>
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<td>Goni, Miguel</td>
<td>* Acoustic Measurements of Particulate Organic Carbon Concentrations in the Coastal Ocean - (13040-F481)</td>
<td>USCRF/National Oceanic &amp; Atmospheric Administration (NOAA)/DOC</td>
<td>$131,546</td>
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<td>Kohn, Matthew</td>
<td>* Timing and Magnitude of Climate Change Across the Eocene-Oligocene Transition, Northern Great Plains, USA - (13040-FA80)</td>
<td>USCRF/National Science Foundation (NSF) - General</td>
<td>$76,950</td>
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<td>Lakshmi, Venkataraman</td>
<td>* Aqua/AMSR-E Soil Moisture Algorithm and Product Improvements -</td>
<td>USCRF/Jet Propulsion Laboratory/NASA</td>
<td>$38,300</td>
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<td>* Development of Informatics Infrastructure for the Hydrologic Sciences - (13040-FA83)</td>
<td>USCRF/University of Texas at Austin/NSF</td>
<td>$15,596</td>
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<td>Prokopenko, Alexander</td>
<td>* Evolution of Atmospheric Circulation Patterns over Continental Interior Asia during the Past 1.4Ma from Millennial-Scale Carbonate-Based Proxy Records from Lake Hovsgol, Mongolia - (13040-FA79)</td>
<td>USCRF/National Science Foundation (NSF) - General</td>
<td>$291,355</td>
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<td>Co-PI: Williams, Douglas</td>
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**Geological Sciences**

**Thunell, Robert**

* Collaborative Research: The Cariaco Basin Oceanographic TimeSeries Program - (13040-FA58)  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General  
  **Funding:** $170,236

**Mathematics**

**Oskolkov, Konstantin**

* Harmonic, Number-Theoretic, and PDE Analysis of Talbot's Phenomenon - (13060-FA16)  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General  
  **Funding:** $84,621

**Physics & Astronomy**

**Avignone, Frank**

* Next Generation Neutrinoless Double Beta Decay Experiments  
  CUROE/CUORICINO (130Te) and Majorana (76Ge) - (13070-FA15)  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General  
  **Funding:** $156,010

**Gudkov, Vladimir**

* Fundamental Problems of Neutron Physics at the Spallation Neutron Source at the ORNL - (13070-FA35)  
  **Sponsor:** USCRF/Department of Energy (DOE) - General  
  **Funding:** $145,000

**Johnson, Joseph**

* New Metrics for Characterizing and Predicting Network Behavior -  
  **Sponsor:** USCRF/Air Force Research Laboratory/DOD  
  **Funding:** $1,931,966

**Kunchur, Milind**

* Transport Behavior of Superconductors at High Dissipative Currents - (13070-F129)  
  **Sponsor:** US Department of Energy (DOE) - General  
  **Funding:** $13,197

**Mishra, Sanjib**

* Guest Scientist - (13070-FA34)  
  **Sponsor:** USCRF/FermiLab/DOE  
  **Funding:** $20,000

**Purohit, Milind**

* Experimental Particle Physics - (13070-F117)  
  **Sponsor:** US Department of Energy (DOE) - General  
  **Funding:** $565,000  
  **Co-PI:** Rosenfeld, Carl

**Rosenfeld, Carl**

* 2004 Support for Carolina QuarkNet Institute - (13070-FL02)  
  **Sponsor:** USCRF/Fermilab/DOE  
  **Funding:** $8,050
Physics & Astronomy
Webb, Richard
* Fundamental Experimental Properties of Mesoscopic Systems - (13070-FA43) $128,474
  Sponsor: USCRF/National Science Foundation (NSF) - General

Science Education, Center for
Jordan, Donald
* SC Academy of Science - (13000-GL00) $100,000
  Sponsor: SC Academy of Science

Statistics
Grego, John
* Seat Belt Use Survey Analysis - (13080-JA00) $4,000
  Sponsor: USCRF/Grantford & Associates

Senior and Regional Campuses

USC Aiken
Dyer, Andrew
* The Ecology and Population Biology of Chufa, Cyperus Esculentussativus - (17110-KA02) $10,943
  Sponsor: National Wild Turkey Federation

USC Beaufort
Quick, Gail
* Jasper County Schools/USC Beaufort Partnership - (17220-HL03) $50,000
  Sponsor: Jasper County School District

USC Salkehatchie
Thomas, Andrew
* Student Support Services - (17660-FL11) $227,407
  Sponsor: US Department of Education (USDE) - General
* Student Support Services - Grant Aid - (17660-FL10) $10,200
  Sponsor: US Department of Education (USDE) - General

USC Spartanburg
Frye, Carolyn
* Upward Bound - (17880-FL43) $277,588
  Sponsor: USCRF/US Department of Education (USDE) - General
USC Spartanburg

Rogers, Susan
* USCS Achieve Program - (17880-FJ09) $453,885
  Sponsor: Spartanburg County/DOL

Romine, Ronald
* Center for Non-Profit Leadership - (17880-KL02) $2,000
  Sponsor: Carolina Piedmont Foundation

Turner, Jack
* Microbiobial Study - (17880-L101) $3,510
  Sponsor: Milliken Chemical

USC Union

Stokes, Tammy
* Student Support Services Program - (17770-FL03) $227,407
  Sponsor: US Department of Education

Social Work, College of

Social Work, College of

Bond, Pamela
* Casey Family Programs Consultation - (15900-KL04) $37,742
  Sponsor: USCRF/Casey Family Program

DeHart, Dana
* Collaborative Response to Crime Victims in Urban Areas - (15900-FL19) $49,980
  Sponsor: USCRF/Maryland Crime Victims Resource Center, Inc./DOJ

Ginsberg, Leon
* An Integrated Study of Driving Cessation in Older Men with Dementia - (15900-KA03) $100,000
  Sponsor: The Gerontological Society of America

* GA: Florence Cittenton Services, Inc. - (15900-KP84) $4,032
  Sponsor: Florence Cittenton Programs

* Quality Assurance in Long-Term Care Services - (15900-GL07) $12,153
  Sponsor: SC Department of Health & Human Services

* Quality Assurance Services for the Bureau of Long Term Services - $12,153
  Sponsor: SC Department of Health & Human Services/HHS
| **Grand Total** | **$31,562,258** |