**SPONSORED PROGRAMS and RESEARCH**  
*Award Activity - May 2004*

**Business, Moore School of**

*Business Administration - Division of Research*

**Woodward, Douglas**
* Economic Impact of the Proposed Palmetto Health Satellite Facility - $15,295  
  
  **Sponsor:** USCRF/Palmetto Health Richland

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**Education, College of**

*Education Leadership & Policies*

**Monrad, Diane**
* A Descriptive Study of the Gifted and Talented Program in South Carolina - (15270-GA06) $100,000  
  
  **Sponsor:** SC Education Oversight Committee

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*Educational Psychology*

**Bergen, Timothy**
* Teacher Cadet Program - (15200-G221) $9,002  
  
  **Sponsor:** SC Center for Teacher Recruitment

**Johnson, Robert**
* High School Initiatives Evaluation Plan - (15290-HL00) $43,242  
  
  **Sponsor:** Richland School District Two

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*Instruction & Teacher Education*

**Battle-Bailey, Lora**
* Increasing Second and Third Grade Teachers' Mathematics Knowledge using Standards-Based Instructional Strategies and Homework - (15250-GJ04) $7,732  
  
  **Sponsor:** SC Commission on Higher Education

**Stephens, Diane**
* Reading First Video Coordination - (15250-FL16) $10,352  
  
  **Sponsor:** SC Department of Education/USDE

**Styslinger, Mary**
* National Writing Project - (15250-F421) $43,000  
  
  **Sponsor:** National Writing Project/USDE
Office of Program Evaluation

Fisher, Steven
* Analyze the Effect of National Board Certification on Student Achievement in South Carolina - (15290-GL08)  
  Sponsor: Center for Educator Recruitment, Retention & Advancement  
  $89,622

Physical Education

French, Karen
* USDA Summer Feeding Program - (15210-FL03)  
  Sponsor: US Department of Agriculture (USDA) - General  
  $300,000

Engineering & Information Technology, College of

Chemical Engineering

Weidner, John
* Sponsored Research Effort for Finnchem USA, Inc. - (15510-JA37)  
  Sponsor: USCRF/Finnchem USA, Inc.  
  $23,908

Williams, Christopher
* CAREER: Investigation of Catalysis at Solid-Liquid Interface by Non-Linear Optical Spectroscopy - (15510-FA05)  
  Sponsor: National Science Foundation (NSF) - General  
  $8,000

Civil & Environmental Engineering

Harries, Kent
* CFRP Grid Splice Freeze Thaw Testing - (15520-KA04)  
  Sponsor: USCRF/Carbon Cast Manufacturers Association  
  Co-PI: Gassman, Sarah  
  $7,525

Rizos, Dimitris
* NSF Graduate Research Fellowship Award - (15520-FA25)  
  Sponsor: National Science Foundation (NSF) - General  
  Co-PI: Felkel, John  
  $40,500

Electrical Engineering

Simin, Grigory
* AlGaN-GaN Material Wafer Supply for RF/Microwave Device Development - (15530-FA20)  
  Sponsor: USCRF/TRW, Inc./DOD  
  $245,000

Sudarshan, Tangali
* Lapping and Polishing of Silicon Carbide Wafers - (15530-LA00)  
  Sponsor: USCRF/Various Sponsors  
  $7,000
Mechanical Engineering

Baxter, Sarah
* Understanding the Errors in Children's Dietary Recalls - (11590-FA02)
  
  Sponsor: USCRF/US Department of Agriculture (USDA) - General
  $97,173

Peters, Walter
* NSF Graduate Research Fellowship Award - (15540-FA24)
  
  Sponsor: National Science Foundation (NSF) - General
  Co-PI: Craig, Nadia

Ranson, William
* Cost and Effectiveness Analysis of the AH-64A and UH-60L on Board Vibrations Monitoring (VM) System - (15540-FA31)
  
  Sponsor: SC National Guard/DOD
  $300,000

Liberal Arts, College of

Archaeology & Anthropology, SC Institute of

Brooks, Mark
* Cultural Resource Management on the SRS - (21300-F110)
  
  Sponsor: US Department of Energy (DOE) - General
  $1,371

* FY 2004 38AK155 Mitigation - Savannah River Archaeological Research Program - (21300-FA20)
  
  Sponsor: US Department of Energy (DOE) - General
  $300,000

Art

Dunn, Philip
* Interactive Learning Workshop for Art Teachers - (12510-GL02)
  
  Sponsor: SC Department of Education
  $11,000

Criminology & Criminal Justice, Department of

Pelfrey, William
* Deaths in Custody Data Collection Project - (12200-GA00)
  
  Sponsor: SC Department of Public Safety
  $6,000

History

Chesnutt, David
* The Papers of Henry Laurens - (13550-FA06)
  
  Sponsor: National Historical Publications & Records
  $66,550
History

Grier, Katherine
* GA: SC Department of Archives and History - (13550-GP25) $9,072
  Sponsor: SC Department of Archives & History

Weyeneth, Robert
* GA: SC Department of Archives and History - (13550-GP23) $5,000
  Sponsor: SC Department of Archives and History

  * GA: SC Department of Archives and History - (13550-GP24) $1,572
    Sponsor: SC Department of Archives and History

International Studies, Institute of

Hsieh, John
* International Conference on Democracy and Democratization in Confucian Societies - (21900-KL00) $49,000
  Sponsor: Taiwan Foundation for Democracy

Political Science

Puchala, Donald
* Fulbright American Studies Institute on Foreign Policy: Conduct and Foundation - (21900-FJ00) $219,569
  Sponsor: USCRF/SC Department of State/DOS

Sederberg, Peter
* GA: Center for Selection Wellness-Enhanced Programs - (12010-FP01) $13,994
  Sponsor: Fort Jackson/US Army/DOD

  * GA: Richland County - (13570-HP07) $4,900
    Sponsor: Richland County

Psychology

Coleman, James
* GABA Receptor Subunits and Neural Excitability - (13580-FA27) $9,736
  Sponsor: SC BRIN/EPSCoR/HHS
Psychology
Huebner, E. Scott
* GA: Pine Grove School - (13580-J728) $29,200
  Sponsor: Pine Grove School

Schatz, Jeffrey
* GA: Lexington School District Two - (13580-HP14) $3,000
  Sponsor: Lexington School District Two

Public Service & Policy Research, Institute for
Kelsey, Heath
* Hydrologic Modeling in Turpentine Run, St. Thomas - (21600-FA64) $26,206
  Sponsor: USCRF/University of the Virgin Islands/USGS/DOI

Mass Communications & Information Studies, College of
Journalism & Mass Communications, School of
Jackson, Patricia
* Burroughs Early Head Start Classroom - (17880-FL40) $5,000
  Sponsor: Spartanburg County First Steps/HHS

  * Strategic Communication Training - (15600-FL25) $113,906
    Sponsor: USCRF/Social Security Administration

Medicine, School of
Cell & Developmental Biology & Anatomy
Carver, Wayne
* Role of ADAMs in Heart Myocyte Development - (18020-FA01) $252,875
  Sponsor: National Heart, Lung & Blood Institute

Internal Medicine
Talwani, Rohit
* A Phase II, Randomized, Double-Blind Multi-Center Clinical Trial Comparing Safety and Pharmacokinetics of Standard of Care, PlusAurexis or Placebo, for Treatment of Staphylococcus Aureus Bacteremia (SAB) - (18190-JA18) $7,440
  Sponsor: USCRF/Inhibitex, Inc.
**Medicine, School of - (Dean)**
* Fowler, Stanley
  * South Carolina Consortium for Cardiovascular Disease and Stroke - $17,500
    **Sponsor:** Palmetto Health Alliance

**Microbiology & Immunology**
* Ghaffar, Abdul
  * Novel Cellular and Small Animal Models to Selectively Screen for Functional Food and Dietary Supplements Which Delay Fatigue and Enhance Physical Stamina and Mental Alertness - (18060-FA01) $83,131
    **Sponsor:** USCRF/Clemson University/DOD

**Pathology & Microbiology**
* Wargovich, Michael
  * Preliminary Studies with Traditional African Medicinals for Prevention of Chronic Inflammation and Cancer - (18060-KA00) $13,554
    **Sponsor:** SC Research Authority

**Pediatrics/Developmental Disabilities, Center for**
* Ferrante, Richard
  * Personnel Development Collaboration TBI School/District Team Training Pilot - (18140-FL25) $3,000
    **Sponsor:** SC Department of Education/USDE

  * South Carolina University Center for Excellence in Developmental Disabilities - (18140-FL26) $428,463
    **Sponsor:** USCRF/Administration for Children & Families (ACF)/HHS

* Schwartz, I. David
  * Trial to Assess the Safety and Efficacy of Anastrozole - (18140-KA02) $1,944
    **Sponsor:** USCRF/Nemours Children's Clinic

**Pharmacology, Physiology & Neuroscience**
* Wilson, Steven
  * In Vivo Genetic Manipulation of Excitability - (18080-FA02) $23,053
    **Sponsor:** Stanford University/NIH
Nursing, College of

Nursing - (General)
Moneyham, Linda
* Telephone Peer Counseling for Rural Women with HIV - (11210-FA11)
   Sponsor: USCRF/National Institute of Nursing Research (NINR)/NIH
   $438,379

Provost, Office of the

TRIO Programs
Beasley, Paul
* Upward Bound Program - (21710-FL16)
   Sponsor: US Department of Education (USDE) - General
   $488,392

Public Health, Arnold School of

Environmental Health Sciences
Newman, Lee
* Phytoremediation - (11510-FA72)
   Sponsor: USCRF/University of Washington/NIH
   $125,942

Tufford, Daniel
* Succession of Tidal Freshwater Wetlands on the Cooper River, SC: Ecological Functions and Management Alternatives - (13010-FA67)
   Sponsor: SC Sea Grant Consortium/NOAA
   $44,799

Epidemiology & Biostatistics
Cunningham, Joan
* GA: Palmetto Health Foundation - (11520-KP09)
   Sponsor: Palmetto Health Foundation
   $2,691

Drane, J. Wanzer
* Fort Jackson Center One - (11520-FA35)
   Sponsor: USCRF/Fort Jackson/US Army/DOD
   $14,436

Mayer-Davis, Elizabeth
* Treatment Options for Type 2 Diabetes in Adolescents and Youth (TODAY) - (11590-FA04)
   Sponsor: USCRF/George Washington University/NIH
   $15,608
Exercise Science

Davis, J. Mark
* Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - (11530-J120)  
  Sponsor: Quaker Oats
  $19,322

* Novel Cellular and Small Animal Models to Selectively Screen for Functional Food and Dietary Supplements Which Delay Fatigue and Enhance Physical Stamina and Mental Alertness - (11530-FA05)  
  Sponsor: USCRF/Clemson University/NNC/DOD
  $86,222

Health Promotion, Education & Behavior

Neal, Albert
* 2004 National Youth Sports Program - (11540-FL06)  
  Sponsor: USCRF/National Youth Sports Corporation/HHS
  $78,500

Parra-Medina, Deborah
* HHHER Lifestyle Program for CVD Risk Reduction - (11540-FA25)  
  Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH
  $43,087
  Co-PI: Wilcox, Sara

Health Services Policy & Management

Laditka, Sarah
* GA: Lexington Medical Center - (11550-LP48)  
  Sponsor: Lexington Medical Center
  $1,500

* GA: Palmetto Health Richland Memorial Hospital - (11550-LP49)  
  Sponsor: Palmetto Health Richland
  $4,000

* GA: SC Campaign to Prevent Pregnancy - (11550-KP13)  
  Sponsor: SC Campaign to Prevent Pregnancy
  $1,170

* GA: Sisters of Charity Providence Hospitals - (11550-LP50)  
  Sponsor: Sisters of Charity Providence Hospital
  $1,000

McTigue, James
* GA: South Carolina Autism Society - (11550-KP14)  
  Sponsor: SC Autism Society
  $2,000

Xirasagar, Sudha
  Sponsor: Michael E. Samuels
  $3,750
Research, Vice President for

Pastides, Harris
* Multidisciplinary Science Center - (22000-FL00)  
  **Sponsor:** US Department of Education (USDE) - General  
  $1,192,920

Hatcher, Patricia
* Center One at Fort Jackson - (21000-FA01)  
  **Sponsor:** USCRF/Fort Jackson/US Army/DOD  
  $54,671

Science and Mathematics, College of

Baruch Institute
Allen, Wendy
* North Inlet - Winyah Bay NERR - (21600-FA65)  
  **Sponsor:** USCRF/National Oceanic & Atmospheric Administration (NOAA)  
  $555,000

Beseres, Jennifer
* Regulation of Macrobenthos by Juvenile White Shrimp, Litopenaeussetiferus, in Southeastern Salt Marshes - (21600-FA47)  
  **Sponsor:** USCRF/National Oceanic & Atmospheric Administration (NOAA)/DOC  
  $20,000

Biological Sciences
Berger, Franklin
* Thymidylate Synthase and Fluorodeoxyuridine Resistance - (13010-FA39)  
  **Sponsor:** USCRF/National Cancer Institute(NCI)/NIH  
  $20,412

Ely, Berten
* Alfred P. Sloan Foundation Recruiting Support - (13010-KJ00)  
  **Sponsor:** Alfred P. Sloan  
  $2,000

Marton, Laszlo
* Consumption of Haloorganic Pollutants by Spartina Alterniflora -  
  **Sponsor:** SC Sea Grant Consortium/NOAA/DOC  
  $12,500

Mousseau, Timothy
* The Adaptive Significance of Phenotypic Plasticity and Reaction Norm Evolution in a Natural System - (13010-FA05)  
  **Sponsor:** National Science Foundation (NSF) - General  
  $22,000
Biological Sciences

Raguso, Robert
* The Pre-Invention of Flowers by Splachnaceae Mosses - (13010-FA68)  
  **Sponsor:** EPSCoR/SC Research Authority  
  **Amount:** $4,730

Stratmann, Johannes
* Characterization of Systemin-Responsive MAP Kinase Cascades -  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General  
  **Amount:** $147,378

Vogt, Richard
* Expression of Olfactory SNMPs in Drosophila Melanogaster and Manduca Sexta - (13010-FA37)  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General  
  **Amount:** $83,526

Chemistry & Biochemistry

Angel, S. Michael
* Collaborative Research: Combining Video Plankton Recorder Imaging with Laser Induced Breakdown Spectroscopy to Identify Plankton and Seston.. -  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General  
  **Amount:** $30,000

Baynes, John
* 8th International Symosium on the Maillard Reaction - (13020-FL01)  
  **Sponsor:** USCRF/National Institute on Aging (NIA)/HHS  
  **Amount:** $25,000

Dawson, John
* Editing: Journal of Inorganic Biochemistry - (13020-J400)  
  **Sponsor:** Elsevier Inc.  
  **Amount:** $5,668

Lebioda, Lukasz
* Regulatory Role of Aintegumenta in Organ Initiation and Growth -  
  **Sponsor:** USCRF/Department of Energy (DOE) - General  
  **Amount:** $10,000

Myrick, Michael
* Creation of a Web-Based MOE Design Studio for NIR Spectroscopy -  
  **Sponsor:** University of Tennessee/NSF  
  **Amount:** $5,000

Sodetz, James
* Structure/Function of Terminal Complement Proteins - (13020-FA39)  
  **Sponsor:** USCRF/National Institutes of Health (NIH) - General  
  **Amount:** $272,128

zur Loye, Hans-Conrad
* Subcontract to the NSF Solid State Summer Program at Clemson University - (13020-FJ00)  
  **Sponsor:** USCRF/Clemson University/NSF  
  **Amount:** $9,009
Chemistry & Biochemistry
* Systematic Investigation of Modified Amino Acid-Rare Earth Framework Materials: Potential MRI Imaging Agents - (13020-FA63)
   Sponsor: National Center for Research Resources (NCRR)/NIH
   $5,100

Geological Sciences
Lakshmi, Venkataraman
* Field and Modeling Validation of Aircrafted Satellite-Based Soil Moisture Products - (13040-FA18)
   Sponsor: USCRF/US Department of Agriculture (USDA) - General
   $16,500
* Modeling the Influence of Plant Cover on Water and Energy Cycling at the Land-Atmosphere Interface: Constraints from Satellite and Ground Data -
   Sponsor: USCRF/National Aeronautics & Space Administration (NASA)
   $54,742

Prokopenko, Alexander
* Collaborative Research: Holocene Climatic Changes in the Mongolian Plateau - (13040-FA76)
   Sponsor: USCRF/National Science Foundation (NSF) - General
   $97,230

Voulgaris, George
* Towards Quantifying Coastal Erosion in SC: Offshore Shoals as Sediment Sinks and Controls for Shoreline Change - (13040-FA78)
   Sponsor: SC Sea Grant Consortium/NOAA/DOC
   $78,445

Yogodzinski, Gene
* Collaborative Research: Geochemistry of Ultramafic Xenoliths From the Mantle Wedge of the Kamchatka Arc - (13040-FA53)
   Sponsor: USCRF/National Science Foundation (NSF) - General
   $56,448

Mathematics
DeVore, Ronald
* Multiresolution Methods for Vision-Based Guidance, Navigation and Control - (13060-FA15)
   Sponsor: University of Florida/USAF/DOD
   Co-PI: Sharpley, Robert
   $99,999

Oskolkov, Konstantin
* Harmonic, Number-Theoretic, and PDE Analysis of Talbot's Phenomenon - (13060-FA16)
   Sponsor: USCRF/National Science Foundation (NSF) - General
   $4,000
Physics & Astronomy

Djalali, Chaden
* Jefferson Lab SURA Fellowship: Photoproduction of Vector Mesons Off Nuclei - (13070-FA28) $6,000
  
  Sponsor: SURA/Jefferson Laboratory/DOE

Johnson, Joseph
* Support of the Fire Fighter Mobilization System - (13070-GA09) $3,600
  
  Sponsor: SC Department of Labor, Licensing & Regulation

* VPN/GIS Enhancements to Unocal BioStrat Portal - (13070-JA01) $10,000
  
  Sponsor: USCRF/Tramontane, Inc.

Myhrer, Fred
* Theoretical Studies of Hadronic and Nuclear Dynamics - (13070-FA20) $135,000
  
  Sponsor: USCRF/National Science Foundation (NSF) - General
  
  Co-PI: Kubodera, Kuniharu

Rosenfeld, Carl
* Sale of TOF Modules to Lawrence Livermore National Laboratory - $184,694
  
  Sponsor: USCRF/Lawrence Livermore Laboratory/DOE

Statistics

Lynch, James
* Stochastic Models and Inference for the Reliability of Complex Systems - (13080-FA12) $74,779
  
  Sponsor: USCRF/National Science Foundation (NSF) - General
  
  Co-PI: Padgett, William J.

Pena, Edsel
* GA: Arcadia Analytics - (13080-JP03) $23,482
  
  Sponsor: Arcadia Analytics

Senior and Regional Campuses

USC Aiken

DeLaughter, Jerry
* Public Building Solar Initiative - (17110-FQ00) $25,000
  
  Sponsor: SC Energy Office/SCB&CB/DOE

Pirkle, William
* SCUREF/DOE/SRS Joint Faculty Appointment for USC-Aiken - (17110-FA05) $14,700
  
  Sponsor: SC Universities Research & Education Foundation/WSRC/DOE
**USC Spartanburg**

**Connelly, Robert**
- *JM Smith Computer Lab - (17880-K325)*
  - **Sponsor:** Carolina Piedmont Foundation
  - **$12,000**

**Davenport, Brenda**
- *National Writing Project 2004 - (17880-FL42)*
  - **Sponsor:** National Writing Project Corp/USDE
  - **$43,000**

**From, Heidi**
- *Henderson Center Early Head Start Classrooms - (17880-FL39)*
  - **Sponsor:** Spartanburg Housing Authority/HHS
  - **$125,871**
- *Henderson Center Early Head Start Classrooms - (17880-FL41)*
  - **Sponsor:** Spartanburg Housing Authority/HHS
  - **$5,000**

**Turner, Jack**
- *Watershed Ecology Center Education Program - (17880-KL00)*
  - **Sponsor:** Carolina Piedmont Foundation
  - **$8,401**

**Social Work, College of**

**Families in Society, Institute for**

**Floyd, Anita**
- *Treatment for the Homeless Project - (10010-JL00)*
  - **Sponsor:** USCRF/Tidwell & Associates, Inc.
  - **$5,000**

**Social Work, College of**

**Andrews, Arlene**
- *Evaluation Support for the SC Federation of Families - (10010-GL07)*
  - **Sponsor:** Federation for Families of South Carolina
  - **$2,963**

**Ginsberg, Leon**
- *GA: Bouknight Management Services - (15900-JP22)*
  - **Sponsor:** Bouknight Management Services, LLC
  - **$1,512**
- *GA: Family Service Center - (15900-KP83)*
  - **Sponsor:** Family Service Center
  - **$8,064**
- *GA: Gift of Life Trust Fund - (15900-LP36)*
  - **Sponsor:** Gift of Life Trust Fund
  - **$2,010**
Social Work, College of

* GA: Kershaw Family Medicine Associates - (15900-LP35) $12,096
  ** Sponsor:** Kershaw Family Medicine Associates

* GA: The Caring House - (15900-LP33) $3,009
  ** Sponsor:** The Caring House/Palmetto Health Richland

* GA: The Caring House - (15900-LP34) $4,520
  ** Sponsor:** The Caring House/Palmetto Health Richland

Paget, Kathleen

* Evaluation of Lexington Partners for Prevention - (15900-GL06) $12,500
  ** Sponsor:** SC Department of Mental Health

Student Affairs, Division of

Student Life

Talbott, Laura

* Choices for Success: USC Athletes and Peer Educators Team-Upto Impact Alcohol Use Among First-Year Students - (46300-KA00) $14,990
  ** Sponsor:** National Collegiate Athletic Association

Grand Total $8,088,157