

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 -*
Sponsor: USCRF/Palmetto Health Richland

\$15,295

Education, College of

Education Leadership & Policies

Monrad, Diane

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

\$100,000

Educational Psychology

Bergen, Timothy

- * *Teacher Cadet Program - (15200-G221)*
Sponsor: SC Center for Teacher Recruitment

\$9,002

Johnson, Robert

- * *High School Initiatives Evaluation Plan - (15290-HL00)*
Sponsor: Richland School District Two

\$43,242

Instruction & Teacher Education

Battle-Bailey, Lora

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

\$7,732

Stephens, Diane

- * *Reading First Video Coordination - (15250-FL16)*
Sponsor: SC Department of Education/USDE

\$10,352

Styslinger, Mary

- * *National Writing Project - (15250-F421)*
Sponsor: National Writing Project/USDE

\$43,000

Office of Program Evaluation

Fisher, Steven

* *Analyze the Effect of National Board Certification on Student Achievement in South Carolina - (15290-GL08)*

\$89,622

Sponsor: Center for Educator Recruitment, Retention & Advancement

Physical Education

French, Karen

* *USDA Summer Feeding Program - (15210-FL03)*

\$300,000

Sponsor: US Department of Agriculture (USDA) - General

Engineering & Information Technology, College of

Chemical Engineering

Weidner, John

* *Sponsored Research Effort for Finnchem USA, Inc. - (15510-JA37)*

\$23,908

Sponsor: USCRF/Finnchem USA, Inc.

Williams, Christopher

* *CAREER: Investigation of Catalysis at Solid-Liquid Interface by Non-Linear Optical Spectroscopy - (15510-FA05)*

\$8,000

Sponsor: National Science Foundation (NSF) - General

Civil & Environmental Engineering

Harries, Kent

* *CFRP Grid Splice Freeze Thaw Testing - (15520-KA04)*

\$7,525

Sponsor: USCRF/Carbon Cast Manufacturers Association

Co-PI: Gassman, Sarah

Rizos, Dimitris

* *NSF Graduate Research Fellowship Award - (15520-FA25)*

\$40,500

Sponsor: National Science Foundation (NSF) - General

Co-PI: Felkel, John

Electrical Engineering

Simin, Grigory

* *AlGaIn-GaN Material Wafer Supply for RF/Microwave Device Development - (15530-FA20)*

\$245,000

Sponsor: USCRF/TRW, Inc./DOD

Sudarshan, Tangali

* *Lapping and Polishing of Silicon Carbide Wafers - (15530-LA00)*

\$7,000

Sponsor: USCRF/Various Sponsors

Mechanical Engineering

Baxter, Sarah

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

Peters, Walter

- * *NSF Graduate Research Fellowship Award - (15540-FA24)* **\$40,500**
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)* **\$300,000**
Sponsor: SC National Guard/DOD

Liberal Arts, College of

Archaeology & Anthropology, SC Institute of

Brooks, Mark

- * *Cultural Resource Management on the SRS - (21300-F110)* **\$1,371**
Sponsor: US Department of Energy (DOE) - General
- * *FY 2004 38AK155 Mitigation - Savannah River Archaeological Research Program - (21300-FA20)* **\$300,000**
Sponsor: US Department of Energy (DOE) - General

Art

Dunn, Philip

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

Criminology & Criminal Justice, Department of

Pelfrey, William

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

History

Chesnutt, David

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

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)*

Sponsor: Pine Grove School

\$29,200

Schatz, Jeffrey

* *GA: Lexington School District Two - (13580-HP14)*

Sponsor: Lexington School District Two

\$3,000

Public Service & Policy Research, Institute for

Kelsey, Heath

* *Hydrologic Modeling in Turpentine Run, St. Thomas - (21600-FA64)*

Sponsor: USCRF/University of the Virgin Islands/USGS/DOI

\$26,206

Mass Communications & Information Studies, College of

Journalism & Mass Communications, School of

Jackson, Patricia

* *Burroughs Early Head Start Classroom - (17880-FL40)*

Sponsor: Spartanburg County First Steps/HHS

\$5,000

* *Strategic Communication Training - (15600-FL25)*

Sponsor: USCRF/Social Security Administration

\$113,906

Medicine, School of

Cell & Developmental Biology & Anatomy

Carver, Wayne

* *Role of ADAMs in Heart Myocyte Development - (18020-FA01)*

Sponsor: National Heart, Lung & Blood Institute

\$252,875

Internal Medicine

Talwani, Rohit

* *A Phase II, Randomized, Double-Blind Multi-Center Clinical Trial Comparing Safety and Pharmacokinetics of Standard of Care, Plus Aurexis or Placebo, for Treatment of Staphylococcus Aureus Bacteremia (SAB) - (18190-JA18)*

Sponsor: USCRF/Inhibitex, Inc.

\$7,440

Medicine, School of - (Dean)

Fowler, Stanley

- * *South Carolina Consortium for Cardiovascular Disease and Stroke -
Sponsor: Palmetto Health Alliance*

\$17,500

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)*

Sponsor: USCRF/Clemson University/DOD

\$83,131

Pathology & Microbiology

Wargovich, Michael

- * *Preliminary Studies with Traditional African Medicinals for Prevention of Chronic Inflammation and Cancer - (18060-KA00)*

Sponsor: SC Research Authority

\$13,554

Pediatrics/Developmental Disabilities, Center for

Ferrante, Richard

- * *Personnel Development Collaboration TBI School/District Team Training Pilot - (18140-FL25)*

Sponsor: SC Department of Education/USDE

\$3,000

- * *South Carolina University Center for Excellence in Developmental Disabilities - (18140-FL26)*

Sponsor: USCRF/Administration for Children & Families (ACF)/HHS

\$428,463

Schwartz, I. David

- * *Trial to Assess the Safety and Efficacy of Anastrozole - (18140-KA02)*

Sponsor: USCRF/Nemours Children's Clinic

\$1,944

Pharmacology, Physiology & Neuroscience

Wilson, Steven

- * *In Vivo Genetic Manipulation of Excitability - (18080-FA02)*

Sponsor: Stanford University/NIH

\$23,053

Nursing, College of

Nursing - (General)

Moneyham, Linda

* *Telephone Peer Counseling for Rural Women with HIV - (11210-FA11)*

\$438,379

Sponsor: USCRF/National Institute of Nursing Research (NINR)/NIH

Provost, Office of the

TRIO Programs

Beasley, Paul

* *Upward Bound Program - (21710-FL16)*

\$488,392

Sponsor: US Department of Education (USDE) - General

Public Health, Arnold School of

Environmental Health Sciences

Newman, Lee

* *Phytoremediation - (11510-FA72)*

\$125,942

Sponsor: USCRF/Univeristy of Washington/NIH

Tufford, Daniel

* *Succession of Tidal Freshwater Wetlands on the Cooper River, SC: Ecological*

\$44,799

Functions and Management Alternatives - (13010-FA67)

Sponsor: SC Sea Grant Consortium/NOAA

Epidemiology & Biostatistics

Cunningham, Joan

* *GA: Palmetto Health Foundation - (11520-KP09)*

\$2,691

Sponsor: Palmetto Health Foundation

Drane, J. Wanzer

* *Fort Jackson Center One - (11520-FA35)*

\$14,436

Sponsor: USCRF/Fort Jackson/US Army/DOD

Mayer-Davis, Elizabeth

* *Treatment Options for Type 2 Diabetes in Adolescents and Youth (TODAY) -*

\$15,608

(11590-FA04)

Sponsor: USCRF/George Washington University/NIH

Exercise Science

Davis, J. Mark

* *Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise - (11530-J120)* **\$19,322**

Sponsor: Quaker Oats

* *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)* **\$86,222**

Sponsor: USCRF/Clemson University/NNC/DOD

Health Promotion, Education & Behavior

Neal, Albert

* *2004 National Youth Sports Program - (11540-FL06)* **\$78,500**

Sponsor: USCRF/National Youth Sports Corporation/HHS

Parra-Medina, Deborah

* *HHER Lifestyle Program for CVD Risk Reduction - (11540-FA25)* **\$43,087**

Sponsor: National Heart, Lung & Blood Institute (NHLBI)/NIH

Co-PI: Wilcox, Sara

Health Services Policy & Management

Laditka, Sarah

* *GA: Lexington Medical Center - (11550-LP48)* **\$1,500**

Sponsor: Lexington Medical Center

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

Sponsor: Palmetto Health Richland

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

Sponsor: SC Campaign to Prevent Pregnancy

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

Sponsor: Sisters of Charity Providence Hospital

McTigue, James

* *GA: South Carolina Autism Society - (11550-KP14)* **\$2,000**

Sponsor: SC Autism Society

Xirasagar, Sudha

* *GA: Michael E. Samuels - (11550-JP25)* **\$3,750**

Sponsor: Michael E. Samuels

Research, Vice President for

Research, Vice President for – (General)

Pastides, Harris

* *Multidisciplinary Science Center - (22000-FL00)*

\$1,192,920

Sponsor: US Department of Education (USDE) - General

Sponsored Programs & Research

Hatcher, Patricia

* *Center One at Fort Jackson - (21000-FA01)*

\$54,671

Sponsor: USCRF/Fort Jackson/US Army/DOD

Science and Mathematics, College of

Baruch Institute

Allen, Wendy

* *North Inlet - Winyah Bay NERR - (21600-FA65)*

\$555,000

Sponsor: USCRF/National Oceanic & Atmospheric Administration (NOAA)

Beseres, Jennifer

* *Regulation of Macrobenthos by Juvenile White Shrimp, *Litopenaeus setiferus*, in Southeastern Salt Marshes - (21600-FA47)*

\$20,000

Sponsor: USCRF/National Oceanic & Atmospheric Administration (NOAA)/DOC

Biological Sciences

Berger, Franklin

* *Thymidylate Synthase and Fluorodeoxyuridine Resistance - (13010-FA39)*

\$20,412

Sponsor: USCRF/National Cancer Institute(NCI)/NIH

Ely, Berten

* *Alfred P. Sloan Foundation Recruiting Support - (13010-KJ00)*

\$2,000

Sponsor: Alfred P. Sloan

Marton, Laszlo

* *Consumption of Haloorganic Pollutants by *Spartina Alterniflora* -*

\$12,500

Sponsor: SC Sea Grant Consortium/NOAA/DOC

Mousseau, Timothy

* *The Adaptive Significance of Phenotypic Plasticity and Reaction Norm Evolution in a Natural System - (13010-FA05)*

\$22,000

Sponsor: National Science Foundation (NSF) - General

Biological Sciences

Raguso, Robert

* *The Pre-Invention of Flowers by Splachnaceae Mosses - (13010-FA68)* **\$4,730**

Sponsor: EPSCoR/SC Research Authority

Stratmann, Johannes

* *Characterization of Systemin-Responsive MAP Kinase Cascades -* **\$147,378**

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

Vogt, Richard

* *Expression of Olfactory SNMPs in Drosophila Melanogaster and Manduca* **\$83,526**

Sexta - (13010-FA37)

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

Chemistry & Biochemistry

Angel, S. Michael

* *Collaborative Research: Combining Video Plankton Recorder Imaging with* **\$30,000**

Laser Induced Breakdown Spectroscopy to Identify Plankton and Seston.. -

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

Baynes, John

* *8th International Symposium on the Maillard Reaction - (13020-FL01)* **\$25,000**

Sponsor: USCRF/National Institute on Aging (NIA)/HHS

Dawson, John

* *Editing: Journal of Inorganic Biochemistry - (13020-J400)* **\$5,668**

Sponsor: Elsevier Inc.

Lebioda, Lukasz

* *Regulatory Role of Aintegumenta in Organ Initiation and Growth -* **\$10,000**

Sponsor: USCRF/Department of Energy (DOE) - General

Myrick, Michael

* *Creation of a Web-Based MOE Design Studio for NIR Spectroscopy -* **\$5,000**

Sponsor: University of Tennessee/NSF

Sodetz, James

* *Structure/Function of Terminal Complement Proteins - (13020-FA39)* **\$272,128**

Sponsor: USCRF/National Institutes of Health (NIH) - General

zur Loye, Hans-Conrad

* *Subcontract to the NSF Solid State Summer Program at Clemson University -* **\$9,009**

(13020-FJ00)

Sponsor: USCRF/Clemson University/NSF

Chemistry & Biochemistry

- * *Systematic Investigation of Modified Amino Acid-Rare Earth Framework Materials: Potential MRI Imaging Agents - (13020-FA63)* **\$5,100**
Sponsor: National Center for Research Resources (NCRR)/NIH

Geological Sciences

Lakshmi, Venkataraman

- * *Field and Modeling Validation of Aircraft-Based Satellite-Based Soil Moisture Products - (13040-FA18)* **\$16,500**
Sponsor: USCRF/US Department of Agriculture (USDA) - General

- * *Modeling the Influence of Plant Cover on Water and Energy Cycling at the Land-Atmosphere Interface: Constraints from Satellite and Ground Data -* **\$54,742**
Sponsor: USCRF/National Aeronautics & Space Administration (NASA)

Prokopenko, Alexander

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

Voulgaris, George

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

Yogodzinski, Gene

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

Mathematics

DeVore, Ronald

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

Oskolkov, Konstantin

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

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)* **\$12,000**
Sponsor: Carolina Piedmont Foundation

Davenport, Brenda

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

From, Heidi

- * *Henderson Center Early Head Start Classrooms - (17880-FL39)* **\$125,871**
Sponsor: Spartanburg Housing Authority/HHS

- * *Henderson Center Early Head Start Classrooms - (17880-FL41)* **\$5,000**
Sponsor: Spartanburg Housing Authority/HHS

Turner, Jack

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

Social Work, College of

Families in Society, Institute for

Floyd, Anita

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

Social Work, College of

Andrews, Arlene

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

Ginsberg, Leon

- * *GA: Bouknight Management Services - (15900-JP22)* **\$1,512**
Sponsor: Bouknight Management Services, LLC

- * *GA: Family Service Center - (15900-KP83)* **\$8,064**
Sponsor: Family Service Center

- * *GA: Gift of Life Trust Fund - (15900-LP36)* **\$2,010**
Sponsor: Gift of Life Trust Fund

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**