SPONSORED PROGRAMS and RESEARCH
Award Activity - January FY2004

Education, College of

Education
Seaman, Michael
* Evaluation of Arts Participation Initiative - Year 2 - (15290-GA01) $20,000
  Sponsor: SC Arts Commission

Education Leadership & Policies
Stevenson, Kenneth
* Evaluation of the "TECH" Program of the Educational Television Endowment of South Carolina - (15230-FA00) $10,000
  Sponsor: SC ETV/NSF

Educational Psychology
Huynh, Huynh
* Technical Support for SC End-of-Course Examinations - (15240-GA09) $15,000
  Sponsor: SC Department of Education

Instruction & Teacher Education
Stephens, Diane
* Reading First Course - (15250-GJ07) $40,000
  Sponsor: SC Department of Education

Office of Program Evaluation
Yap, Ching
* Standards-Based Arts Assessment in South Carolina: Year 3 (Music and Visual Arts) - (15290-GL04) $83,217
  Sponsor: SC Department of Education

Engineering & Information Technology, College of

Chemical Engineering
Bender, Jonathan
* Polymer-Mediated Boundary Lubrication - (15510-KA09) $35,000
  Sponsor: USCRF/American Chemical Society
Chemical Engineering

Gatzke, Edward
* Continuum and Molecular Model Development of Chemical Process Systems - (15510-FA46) $45,577
  
  Sponsor: SC Universities Research & Education Foundation (SCUREF)/DOE

Popov, Branko
* Novel Non-Precious Metal Catalyst for PEMFC: Catalyst Selection Through Molecular Modeling and Durability Studies - (15510-FA44) $200,000
  
  Sponsor: USCRF/US Department of Energy (DOE) - General

Ritter, James
* Synthesis and Characterization of Nanostructured Materials for Hydrogen Storage - (15510-FA36) $25,000
  
  Sponsor: SC Research Authority/SC EPSCoR & SC BRIN/NSF

Van Zee, John
* Computer Simulation of New Flow Field(s) for PEMFCs - (15510-JA29) $12,500
  
  Sponsor: USCRF/GE Global Research

* I/UCRC Fuel Cell Center - Operating Account - (15510-JA11) $96,750
  
  Sponsor: USCRF/Various

* Testing of Gas Diffusion Media Performance Using Mathematical Models - (15510-JA28) $50,000
  

Civil & Environmental Engineering

Rizos, Dimitris
* Feasibility Study for the Renovation of the Old Bishopville High School - (15520-GA05) $5,000
  
  Sponsor: Rural Crossroads Institute/SC Department of Commerce

Computer Science & Engineering

Huhns, Michael
* GA: Global Infotek, Inc. - (15590-JP28) $10,704
  
  Sponsor: Global Infotek, Inc.

Matthews, Manton
* GA: USComputing, Inc. - (15590-JP36) $18,000
  
Electrical Engineering

Dougal, Roger
* USC Participants in Electric Ship Research and Development Consortium - (15530-FA17) $1,886,000
  
  Sponsor: USCRF/Florida State University/ONR/DOD

Sudarshan, Tangali
* Lapping and Polishing of Silicon Carbide Wafers - (15530-LA00) $4,200
  
  Sponsor: USCRF/Various Sponsors

Mechanical Engineering

Chao, Yuh
* Investigation of Hydrogen Transport Related to Fracture Issues in Austenitic Stainless Steel - (15540-FA38) $27,761
  
  Sponsor: SC Universities Research & Education Foundation (SCUREF)/DOE

Hospitality, Retail & Sport Management, College of

Retailing, Center for
Berry, Don
* Duel In the South-Students in Free Enterprise-Case Study Competition - (14010-KL01) $20,000
  
  Sponsor: USCRF/University of Arizona/Take Charge America
  
  Co-PI: Hoover, Annette

Law, School of

Linnan, David
* Faculty in Residence University of Washington School of Law - (15800-LL07) $63,000
  
  Sponsor: University of Washington

Morris, Carolyn
* Children's Justice Act - Operation of Children's Law Office - (15800-FL16) $170,944
  
  Sponsor: SC Department of Social Services/HHS

* Children's Justice Act - Task Force Support - (15800-FL17) $88,272
  
  Sponsor: SC Department of Social Services/HHS

* DSS Staff and Agents Training Center - (15800-FL15) $309,477
  
  Sponsor: SC Department of Social Services/HHS
Liberal Arts, College of

Archaeology & Anthropology, SC Institute of
Amer, Christopher
* South Carolina Erosion Study - (21300-FA19) $14,584
  Sponsor: USCRF/US Geological Survey/DOI

Geography
Cowen, David
* GA: SC Department of Health and Environmental Control - (13540-GP07) $6,200
  Sponsor: SC Department of Health & Environmental Control

Political Science
Songer, Donald
* An Empirical Analysis of Decision Making in the Supreme Courts of Appeals of Canada and the United States - (13570-LA00) $6,250
  Sponsor: Canadian Embassy

Tyer, Charlie
* GA: City Center Partnership, Inc. - (13570-KP01) $3,015
  Sponsor: City Center Partnership, Inc.

Psychology
Follingstad, Diane
* GA: Lexington School District Two - (13580-HP14) $6,500
  Sponsor: Lexington School District Two

Mactutus, Charles
* Developmental Neurotoxicity of Cocaine-An IV Rat Model - (13580-FA24) $1,951
  Sponsor: USCRF/National Institute on Drug Abuse (NIDA)/NIH

Public Service & Policy Research, Institute for
Oldendick, Robert
* Evaluation of the Combating Underage Drinking Program - (21100-F420) $388,227
  Sponsor: Wake Forest University/DOJ
Feehan, Patricia

* Hispanic Literacy Summit - (15700-KA00)  $20,000
  
  **Sponsor:** PSARAS Foundation

Medicine, School of

Internal Medicine

Lamb, Lawrence

* Peripheral Blood Stem Cell Enumeration: CD34+ Enumeration for BBIND-6107 - (18140-KA04)  $2,250
  
  **Sponsor:** USCRF/American Red Cross

Lin, Tu

* Eli Lilly B7A-MC-MBBR LY333531 Treatment of Peripheral Neuropathy in Patients with Diabetes-Phase 3 Pivotal Clinical Trial - (18190-JA08)  $10,029
  
  **Sponsor:** USCRF/Quintiles, Inc.

Talwani, Rohit

* Phase IV, Open Label, Multicenter Study of Treatment with Trizivr Twice Daily and Tenofovir 300 mg Once-Daily for 48 Weeks in HIV-Infected Subjects Experiencing Early Virologic Failure - (18190-JA12)  $2,000
  
  **Sponsor:** USCRF/GlaxoSmithKline

Medicine, School of - (Dean)

Faulkner, Larry

* Integration of Physician Training and Biomedical Research in South Carolina - (18360-KJ02)  $303,500
  
  **Sponsor:** USCRF/The Duke Endowment
  
  **Co-PI:** Fowler, Stanley

Microbiology & Immunology

Fox, Alvin

* IPA with Department of Homeland Security - (18060-FL00)  $201,854
  
  **Sponsor:** Department of Homeland Security
  
  **Co-PI:** Fox, Karen
Pediatrics/Developmental Disabilities, Center for
Ferrante, Richard
* Personnel Development Collaboration/Assistive Technology Expo 2004 - (18140-FL24)  $3,000
  Sponsor: SC Department of Education/USDE

* State Improvement Grant - Mental Retardation Training - (18140-FJ01)  $12,500
  Sponsor: SC Department of Education/USDE

McRedmond, Kevin
* An Open-Label, Single Arm, Multi-Center, Safety, Pharmacokinetic and Pharmacodynamic, Phase II Study of Anagrelide Hydrochloride in Pediatric and Adult Subjects with... - (18140-JA07)  $3,243
  Sponsor: USCRF/Shire Pharmaceutical Development, Inc.

Pharmacology, Physiology & Neuroscience
Fisher, Janet
* Structural Determinants of GABA-A Receptor Function - (18080-FA03)  $4,505
  Sponsor: USCRF/National Center for Research Resources (NCRRS)/NIH

Pharmacy, College of
Basic Pharmaceutical Sciences
Zhu, Bao
* Endogenous Estrogen-Fatty Acid Esters: Mammary-Selective Hormones and Carcinogens - (11110-KA03)  $161,250
  Sponsor: USCRF/American Cancer Society

Public Health, Arnold School of
Environmental Health Sciences
Chandler, G. Thomas
* Utility of Meiobenthos for Risk Assessment of Low Level Crude Oil WSF's: Rapid Copepod-Based Approaches - (11510-FA70)  $119,864
  Sponsor: USCRF/University of New Hampshire/NOAA
### Epidemiology & Biostatistics

**Cunningham, Joan**  
* GA: Palmetto Health Foundation - (11520-KP09)  
  **Sponsor:** Palmetto Health Foundation  
  **Amount:** $10,000

**Lawson, Andrew**  
* Geographical Determinants of Prostate Cancer Progression in South Carolina - (11520-FA36)  
  **Sponsor:** Geo-Centers/MUSC/DOD  
  **Amount:** $25,643

* Tests for Spatial Randomness in Cancer Maps - (11520-FA38)  
  **Sponsor:** USCRF/Harvard University/NIH  
  **Amount:** $25,000

**Mayer-Davis, Elizabeth**  
* Diabetes Prevention Program Outcomes Study (DPPOS) - (11520-FA37)  
  **Sponsor:** USCRF/George Washington University/NIH  
  **Amount:** $82,872

* Treatment Options for Type 2 Diabetes in Adolescents and Youth (TODAY) - (11590-FA04)  
  **Sponsor:** USCRF/George Washington University/NIH  
  **Amount:** $13,771

### Exercise Science

**Pate, Russell**  
* Promotion of Physical Activity in High School Girls - (11530-FA12)  
  **Sponsor:** USCRF/National Heart, Lung & Blood Institute (NHLBI)/NIH  
  **Amount:** $15,873

**Wilcox, Sara**  
* SIP 5-01: Creation of a PRC Network for Healthy Aging - (11570-FA38)  
  **Sponsor:** Centers for Disease Control (CDC)/HHS  
  **Amount:** $21,810

### Health Promotion, Education & Behavior

**Richter, Donna**  
* Technical Assistance Evaluation of Knight Foundation After School Programs - (11540-KL01)  
  **Sponsor:** USCRF/The Knight Foundation  
  **Amount:** $70,000

**Saunders, Ruth**  
* Duke Endowment Wellness Initiative - (11540-KA03)  
  **Sponsor:** USCRF/The Duke Endowment  
  **Amount:** $328,629

**Watkins, Kenneth**  
* GA: SC Campaign to Prevent Teen Pregnancy - (11540-KP19)  
  **Sponsor:** SC Campaign to Prevent Teen Pregnancy  
  **Amount:** $9,950
Health Services & Policy Research, Center for
Murday, David
  * Evaluation, Technical Assistance and Consultation to the Medically Complex Populations - (11580-FA05)  
    Sponsor: SC Department of Health & Human Services/HHS  
    $242,329

Williams, Theresa
  * Evaluating a Patient Oriented Low-Literacy Educational Video for Adults with Diabetes - (11580-KA04)  
    Sponsor: USCRF/AMA Foundation  
    Co-PI: Haddock, K. Sue  
    $4,000

Health Services Policy & Management
Laditka, Sarah
  * GA: Dorn Research Institute - (11550-LP44)  
    Sponsor: Dorn Research Institute  
    $5,000

  * GA: Lexington Medical Center - (11550-LP45)  
    Sponsor: Lexington Medical Center  
    $2,800

  * GA: Palmetto Health - (11550-LP42)  
    Sponsor: Palmetto Health Richland  
    $6,528

McTigue, James
  * GA: Palmetto Health Richland - (11550-LP43)  
    Sponsor: Palmetto Health Richland  
    $3,000

Probst, Janice
  * GA: Baromedical Research Foundation - (11550-KP10)  
    Sponsor: Baromedical Research Foundation  
    $4,182

Samuels, Michael
  * Rural African-American Research Center - (11550-FA00)  
    Sponsor: Health Resources & Services Administration (HRSA)/HHS  
    $746,680
Science and Mathematics, College of

**Biological Sciences**

Berger, Franklin

* Genetics of the Hepatic Acute Phase Response - (13010-FA30)  
  **Sponsor:** USCRF/Health Research Inc./NIH  
  **Amount:** $75,274

Ely, Berten

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

Quattro, Joseph

* Population Genetic and Genomic Approaches to Assessing Coastal Environmental Health - (13010-FA64)  
  **Sponsor:** Medical University of South Carolina/NOS/NOAA  
  **Amount:** $43,069

Reichert, Marcel

* IOU Larval/Juvenile Fish Survey: Larval and Juvenile Fish of Bottomland Hardwood Floodplains in the Savannah River Site (SC) - (21600-FA19)  
  **Sponsor:** USCRF/University of Georgia/DOE  
  **Co-PI:** Dean, John  
  **Amount:** $42,110

**Chemistry & Biochemistry**

Adams, Richard

* Size-Selective Synthesis of Monodisperse Metallic Nanoclusters using Organic Cavities - (13020-FA43)  
  **Sponsor:** EPSCoR-BRIN Collaborative Research Program/NSF  
  **Amount:** $24,567

Lavigne, John

* Pathogen Sensing with Novel Polyaryleneethynylenes - (13020-FA58)  
  **Sponsor:** USCRF/Georgia Institute of Technology/NIH  
  **Co-PI:** Baynes, John  
  **Amount:** $52,105

**Geological Sciences**

Knapp, Camelia

* Collaborative Research: Acquisition of a Dual, Complementary Ground Penetrating Radar System for Geoscience Research and Teaching in South Carolina - (13040-FA67)  
  **Sponsor:** USCRF/National Science Foundation (NSF) - General  
  **Amount:** $61,966

Talwani, Pradeep

* Paleoseismological Studies in the Charleston, South Carolina Region - (13040-FA66)  
  **Sponsor:** USCRF/US Geological Survey  
  **Amount:** $55,000
Geological Sciences
* South Carolina Seismic Monitoring Network - (13040-FA45) $106,000
  Sponsor: SC Universities Research and Education Foundation (SCUREF)/WSRC/DOE

Physics & Astronomy
Avignone, Frank
  * Next Generation Neutrinoless Double Beta Decay Experiments $32,858
    CUROE/CUORICINO (130Te) and Majorana (76Ge) - (13070-FA15)
    Sponsor: USCRF/National Science Foundation (NSF) - General

Preedom, Barry
  * Graduate Student Research at the BNL LEGS Facility - (13070-FA39) $8,000
    Sponsor: USCRF/Brookhaven National Lab/DOE

Statistics
Grego, John
  * Statistical Support for Freshwater Fisheries Research Laboratories - $3,600
    Sponsor: SC Department of Natural Resources

Senior and Regional Campuses

USC Aiken
Mack, Stanley T.
  * About Plays and Playwriting: A Jon Tuttle Residency at USCA - (17110-FL23) $1,004
    Sponsor: The Humanities Council/NEH

Priest, Jeffrey
  * Aiken County Public School System/Science Center Affiliation - (17110-H403) $50,000
    Sponsor: Aiken County School System

USC Spartanburg
Turner, Jack
  * Microbiobial Study - (17880-L101) $150
    Sponsor: Milliken Chemical

Social Work, College of

Social Work, College of
Bond, Pamela
  * Social Work Training for DSS Staff and Agents - (15900-FJ03) $3,996,232
    Sponsor: SC Department of Social Services/HHS
Social Work, College of
Ginsberg, Leon
* YouthNet - (15900-FL18)  $111,329
  Sponsor: SC Department of Mental Health/SAMSHA/HHS

Wright, Lois
* Elementary School Counseling Demonstration Program - (15900-FL03) $45,500
  Sponsor: Allendale County School District/USDE

Grand Total $10,836,855