

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**

Sponsor: USCRF/W.L. Gore & Associates, Inc.

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**

Sponsor: US Computing, Inc.

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

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)*

Sponsor: USCRF/US Geological Survey/DOI

\$14,584

Geography

Cowen, David

* *GA: SC Department of Health and Environmental Control - (13540-GP07)*

Sponsor: SC Department of Health & Environmental Control

\$6,200

Political Science

Songer, Donald

* *An Empirical Analysis of Decision Making in the Supreme Courts of Appeals of Canada and the United States - (13570-LA00)*

Sponsor: Canadian Embassy

\$6,250

Tyer, Charlie

* *GA: City Center Partnership, Inc. - (13570-KP01)*

Sponsor: City Center Partnership, Inc.

\$3,015

Psychology

Follingstad, Diane

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

Sponsor: Lexington School District Two

\$6,500

Mactutus, Charles

* *Developmental Neurotoxicity of Cocaine-An IV Rat Model - (13580-FA24)*

Sponsor: USCRF/National Institute on Drug Abuse (NIDA)/NIH

\$1,951

Public Service & Policy Research, Institute for

Oldendick, Robert

* *Evaluation of the Combating Underage Drinking Program - (21100-F420)*

Sponsor: Wake Forest University/DOJ

\$388,227

Mass Communications & Information Studies, College of

Library & Information Sciences, School of

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*

\$2,250

BBIND-6107 - (18140-KA04)

Sponsor: USCRF/American Red Cross

Lin, Tu

* *Eli Lilly B7A-MC-MBBR LY333531 Treatment of Peripheral Neuropathy in*

\$10,029

Patients with Diabetes-Phase 3 Pivotal Clinical Trial - (18190-JA08)

Sponsor: USCRF/Quintiles, Inc.

Talwani, Rohit

* *Phase IV, Open Label, Multicenter Study of Treatment with Trizivir Twice Daily*

\$2,000

and Tenofovir 300 mg Once-Daily for 48 Weeks in HIV-Infected Subjects

Experiencing Early Virologic Failure - (18190-JA12)

Sponsor: USCRF/GlaxoSmithKline

Medicine, School of - (Dean)

Faulkner, Larry

* *Integration of Physician Training and Biomedical Research in South Carolina -*

\$303,500

(18360-KJ02)

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)* **\$10,000**
Sponsor: Palmetto Health Foundation

Lawson, Andrew

- * *Geographical Determinants of Prostate Cancer Progression in South Carolina - (11520-FA36)* **\$25,643**
Sponsor: Geo-Centers/MUSC/DOD
- * *Tests for Spatial Randomness in Cancer Maps - (11520-FA38)* **\$25,000**
Sponsor: USCRF/Harvard University/NIH

Mayer-Davis, Elizabeth

- * *Diabetes Prevention Program Outcomes Study (DPPOS) - (11520-FA37)* **\$82,872**
Sponsor: USCRF/George Washington University/NIH
- * *Treatment Options for Type 2 Diabetes in Adolescents and Youth (TODAY) - (11590-FA04)* **\$13,771**
Sponsor: USCRF/George Washington University/NIH

Exercise Science

Pate, Russell

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

Wilcox, Sara

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

Health Promotion, Education & Behavior

Richter, Donna

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

Saunders, Ruth

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

Watkins, Kenneth

- * *GA: SC Campaign to Prevent Teen Pregnancy - (11540-KP19)* **\$9,950**
Sponsor: SC Campaign to Prevent Teen Pregnancy

Health Services & Policy Research, Center for

Murday, David

* *Evaluation, Technical Assistance and Consultation to the Medically Complex Populations - (11580-FA05)* **\$242,329**

Sponsor: SC Department of Health & Human Services/HHS

Williams, Theresa

* *Evaluating a Patient Oriented Low-Literacy Educational Video for Adults with Diabetes - (11580-KA04)* **\$4,000**

Sponsor: USCRF/AMA Foundation

Co-PI: Haddock, K. Sue

Health Services Policy & Management

Laditka, Sarah

* *GA: Dorn Research Institute - (11550-LP44)* **\$5,000**

Sponsor: Dorn Research Institute

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

Sponsor: Lexington Medical Center

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

Sponsor: Palmetto Health Richland

McTigue, James

* *GA: Palmetto Health Richland - (11550-LP43)* **\$3,000**

Sponsor: Palmetto Health Richland

Probst, Janice

* *GA: Baromedical Research Foundation - (11550-KP10)* **\$4,182**

Sponsor: Baromedical Research Foundation

Samuels, Michael

* *Rural African-American Research Center - (11550-FA00)* **\$746,680**

Sponsor: Health Resources & Services Administration (HRSA)/HHS

Science and Mathematics, College of

Biological Sciences

Berger, Franklin

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

Ely, Berten

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

Quattro, Joseph

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

Reichert, Marcel

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

Chemistry & Biochemistry

Adams, Richard

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

Lavigne, John

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

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)* **\$61,966**
Sponsor: USCRF/National Science Foundation (NSF) - General

Talwani, Pradeep

- * *Paleoseismological Studies in the Charleston, South Carolina Region - (13040-FA66)* **\$55,000**
Sponsor: USCRF/US Geological Survey

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

Freedom, 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

- * *Microbiological 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)*

Sponsor: SC Department of Mental Health/SAMSHA/HHS

\$111,329

Wright, Lois

* *Elementary School Counseling Demonstration Program - (15900-FL03)*

Sponsor: Allendale County School District/USDE

\$45,500

Grand Total

\$10,836,855