

**Office of Research
IT and Data Management Office**

April, 2011 New Awards

Arts and Sciences, College of

Anthropology

Kelly, Kenneth

Doctoral Dissertation Improvement Grant: Food and Slave Community Organization on a French Colonial Plantation: A Zooarchaeological Investigation of Subsistence Practices at Habitation Creve Coeur, Martinique. - 13590-FA04 18,500

Sponsor: National Science Foundation (NSF)

Co-PI: Wallman, Diane

Moskowitz, Marc

ACLS Humanities Research in China. Weiqi Nation: Chinese Masculinities and Constructions of a Nostalgic Modernity. - 13590-FA05 38,000

Sponsor: American Council of Learned Societies/NEH

Co-PI:

Archaeology & Anthropology, SC Institute of

Cobb, Charles

Preservation and Access: The Archaeology of Slave Life at Yaughan and Curriboo, S.C. - 21300-FA65 15,000

Sponsor: National Park Service/DOI

Co-PI: Leader, Jonathan Pekar, Sharon

Smith, Steven

Services for ArchSite to Provide On Line Access - 21300-FL05 92,264

Sponsor: SC Department of Archives and History/DOI

Co-PI:

Baruch Institute

Greenfield, Dianne

MERHAB 2009: Comparative Analysis of Quantitative Detection Methods for Enumeration of HAB Species: Applications for Resource Management - 21600-FB86 170,894

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

Co-PI:

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Morris, James

Strategic Environmental Research and Development Program - Phase 2 - 21600-FB47 40,000

Sponsor: RTI International/DOD

Co-PI:

LTREB: Long Term Studies of Salt Marsh Primary Production - 21600-FB96 90,000

Sponsor: National Science Foundation (NSF)

Co-PI: Neubauer, Scott

Biological Sciences

Patel, Rekha

To Investigate the Molecular Mechanism of DYT16 Dystonia. - 13010-KA66 65,000

Sponsor: Dystonia Medical Research Foundation

Co-PI:

Stratmann, Johannes

REU SUPPLEMENT - Role of the COP9 Signalosome and its Subunit CSN5 in the Regulation of MAPK Pathways and Defense Responses in Tomato.." - 13010-FB44 6,000

Sponsor: National Science Foundation (NSF)

Co-PI:

Chemistry & Biochemistry

Dawson, John

Editing: Journal of Inorganic Biochemistry - 13020-J400 2,167

Sponsor: Elsevier Science, Inc.

Co-PI:

Greytak, Andrew

Quantum Dots-Titania Nano-Photocatalysts - 13020-FC00 45,000

Sponsor: SCUREF/Savannah River Nuclear Solutions/DOE

Co-PI:

Tang, Chuanbing

ACS Project Seed (Summer I and Summer II) - 22040-KA14 8,600

Sponsor: American Chemical Society (ACS)

Co-PI: Benicewicz, Brian Wang, Qian Shimizu, Ken Shimizu, Linda

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Vogt, Thomas

Smart Data Acquisition for Nanoscale Imaging - 22040-KA13 100,000

Sponsor: National Academy of Sciences/National Academies Keck Futures Initiative

Co-PI:

Earth and Ocean Sciences

Benitez-Nelson, Claudia

ICESCAPES 2011-2014 - 13040-FB88 94,569

Sponsor: National Aeronautics & Space Administration (NASA)

Co-PI:

Chacon, Adriana

Training Program proposal between GEPetrol and the University of South Carolina - 13040-LJ02 15,500

Sponsor: GEPetrol (Equatorial Guinean Petroleum Co)

Co-PI:

Grunseich, Gary

Calibration and Validation of SMOS and Aquarius Ocean Salinity data - 13040-FB89 10,000

Sponsor: SC Space Grant Consortium/NASA

Co-PI:

Torres, Raymond

Channel Properties Where Fluvial and Tidal Currents Meet - 13040-FB87 336,000

Sponsor: National Science Foundation (NSF)

Co-PI: Yankovsky, Alexander

Earth Sciences & Resources Institute

Kloot, Robin

Using Video to Communicate Estate Planning Ideas - 24400-FL00 4,000

Sponsor: Rolling Hills RC&D Council Inc./USDA

Co-PI:

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April, 2011 New Awards

English

Miller, David

The Spenser Project - 12530-FA10

35,165

Sponsor: Washington University/NEH

Co-PI:

Geography

Guo, Diansheng

*CAREER: Extracting and Understanding Complex Patterns in Spatial Interactions-A
Computational-Visual Framework
- 13540-FA54*

101,237

Sponsor: National Science Foundation (NSF)

Co-PI:

History

Doyle, Don

National Humanities Center - 13550-KA35

55,000

Sponsor: National Humanities Center

Co-PI:

Mathematics

Bilyk, Dmitriy

Discrepancy Theory and Analysis - 13060-FA71

105,240

Sponsor: National Science Foundation (NSF)

Co-PI:

Philosophy

Khushf, George

Center for Bioethics - 21150-LA00

31,250

Sponsor: USC School of Medicine Educ. Trust/PHA

Co-PI:

Physics & Astronomy

Ilieva, Yordanka

*Development of a Complete Kaon Detection System for Hall C at 12 GeV JLab -
13070-FB00*

8,116

Sponsor: Catholic University of America/NSF

Co-PI:

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April, 2011 New Awards

Kulkarni, Varsha

A Search for Galaxies Producing Metal-rich Quasar Absorbers - 13070-FB02 10,000

Sponsor: SC Space Grant Consortium/NASA

Co-PI:

Psychology

Brown, Martha

GA: Michelle Munnell - 13580-HP35 5,000

Sponsor: Rock Hill School District Three

Co-PI: Huebner, E.

Schatz, Jeffrey

Psychological Services Agreement with the Children's Center for Cancer and Blood Disorders, Palmetto Health - 13580-LL00 17,455

Sponsor: Palmetto Health

Co-PI:

Public Service & Policy Research, Institute for

Oldendick, Robert

Buckle Up South Carolina Observational Survey and Attitudinal Survey - 21100-FL38 23,800

Sponsor: SC Department of Public Safety/DOT

Co-PI:

Smoking Cessation for Adolescents - 21100-FL39 50,411

Sponsor: American Academy of Pediatrics/NIH

Co-PI:

Public Perceptions of the Department of Health and Environmental Control - 21100-GL17 7,125

Sponsor: SC Department of Health & Environmental Control (DHEC)

Co-PI:

Home Health Consumer Assessment of Healthcare Providers and Systems - 21100-GL19 34,329

Sponsor: SC Department of Health & Environmental Control (SC DHEC)

Co-PI:

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April, 2011 New Awards

Statistics

Grego, John

Buckle Up South Carolina Observational Survey and Attitudinal Survey - 13080-FL08 30,000

Sponsor: SC Department of Public Safety/DOT

Co-PI:

Education, College of

Education Leadership & Policies

Hudgins, James

2011-12 SC Technical College Leadership Academy - 15230-GL17 10,000

Sponsor: SC State Board of Technical and Comprehensive Education

Co-PI:

Instruction & Teacher Education

Knopf, Herman

Management and Administration of the Child Care Resource & Referral Network - 15250-FL35 1,099,116

Sponsor: SC Department of Social Services (DSS)/HHS

Co-PI:

Lotter, Christine

SIMPLE, Science Inquiry through Modeling Pedagogy, Content Learning, and Evaluation - 15250-FA26 45,000

Sponsor: SC Department of Education/USDE

Co-PI: Ely, Berten Thompson, Stephen

Engineering & Computing, College of

Chemical Engineering

Amiridis, Michael

The South East Alliance for Graduate Education and the Professoriate (SEAGEP) - 61000-FA01 153,079

Sponsor: University of Florida/NSF

Co-PI:

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April, 2011 New Awards

Monnier, John

Automated, Multi-Reactor Catalyst Evaluation System - 15510-JA73 122,765

Sponsor: UOP, LLC - A Honeywell Company

Co-PI:

Moss, Melissa

CAREER: Amyloid Fibril Formation in Bulk Solution and on Supported Phospholipid Bilayers - 15510-FB03 80,000

Sponsor: National Science Foundation (NSF)

Co-PI:

Ritter, James

Adsorbent Evaluation Using Thermogravimetric Cycling Analysis - 15510-JA92 60,000

Sponsor: INGENCO Distributed Energy, LLC

Co-PI: Ebner, Armin

Civil & Environmental Engineering

Caicedo, Juan

Service Activities for NEES Simulation Sub-Committee - 15520-FL00 23,210

Sponsor: Purdue University/NSF

Co-PI:

Goodall, Jonathan

Simulation of Integrated Urban Infrastructure Systems using Component-based Modeling - 15520-FA86 279,908

Sponsor: National Science Foundation (NSF)

Co-PI: Huynh, Nathan

Collaborative Research: CiC (SEA): Using the Cloud to Model and Manage Large Watershed Systems - 15520-FA87 184,984

Sponsor: National Science Foundation (NSF)

Co-PI:

Computer Science & Engineering

Buell, Duncan

History Simulation for Teaching Early Modern British History - 15590-FA79 49,967

Sponsor: National Endowment for the Humanities (NEH)

Co-PI: Cooley, Heidi

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Wang, Song

Robust and Principled Visual Intelligence - 15590-FA75 25,746

Sponsor: Purdue University/DARPA/DOD

Co-PI:

Xu, Wenyuan

CAREER: THAWS--Towards Highly Available Wireless Services (REU Supplement) - 15590-FA70 16,000

Sponsor: National Science Foundation (NSF)

Co-PI:

Electrical Engineering

Khan, Asif

Osram Sylvania AlGaIn Development - 15530-JA28 174,000

Sponsor: Osram Sylvania, Inc.

Co-PI:

Koley, Goutam

GRS: CAREER: InN Nanowire Based Multifunctional Nanocantilever Sensors - 15530-FB08 40,000

Sponsor: National Science Foundation (NSF)

Co-PI:

Graphene Based NOx Detector - 15530-FB19 75,948

Sponsor: Structured Materials Industries, Inc.(SMI)/NSF

Co-PI:

Simin, Grigory

High Performance Integrated Insulated-Gate III-Nitride RF Switches - 15530-FA84 22,000

Sponsor: Rensselaer Polytechnic Institute/ONR

Co-PI:

Zhao, Feng

Development of 1200V and 1700V SiC Schottky Barrier Diode - 15530-JA27 176,934

Sponsor: Semtech Corporation

Co-PI:

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Mechanical Engineering

Khan, Jamil

Professional Development Opportunity Fellowship Program - 15540-FA97 68,250

Sponsor: Sandia National Laboratories/DOE

Co-PI:

Li, Xiaodong

Advanced Rotor Architecture Friction & Wear Tests - 15540-JL04 30,000

Sponsor: General Electric Company

Co-PI:

Wang, Guiren

Chemical and Biological Sensors based on Nanofluidic Preconcentration and Separation - 15540-FB88 40,641

Sponsor: SC Universities Research & Education Foundation (SCUREF)/SRNL/DOE

Co-PI:

Xue, Xingjian

Integrating Multi-physicochemical Processes Induced Stresses to Study Structural Reliability for Solid Oxide Fuel Cells: Modeling and Experiments - 15540-FB89 288,690

Sponsor: National Science Foundation (NSF)

Co-PI:

Law, School of

Law, School of

Robinson, Pamela

Model Approaches to Legal Assistance Services- Office on Aging, Year 2 - 15800-FL34 11,500

Sponsor: SC Lieutenant Governor's Office on Aging/HHS

Co-PI:

SC Bar Foundation Public Interest Fellows - 15800-KL22 6,324

Sponsor: SC Bar Foundation

Co-PI:

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Medicine, School of

Cell & Developmental Biology & Anatomy

Janicki, Joseph

Development of a Long-term, Working Cardiovascular Tissue Slice Culture - 18020-FA67 171,250

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

Co-PI:

Morad, Martin

Regulation of Current Through Cardiac Connexin-43 hemi-channels by Zonula Occludens-1 - 18020-FA79 15,000

Sponsor: Medical University of South Carolina (MUSC)/NHLBI/NIH

Co-PI:

Family & Preventive Medicine

McDermott, Suzanne

SC Disability and Health Project - 18130-FL16 290,000

Sponsor: Centers for Disease Control (CDC)/HHS

Co-PI:

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April, 2011 New Awards

Internal Medicine

Albrecht, Helmut

A Phase 3, Randomized, Double-Blind, Study to Evaluate the Safety and Efficacy of Elvitegravir/ Emtricitabine/Tenofovir Disoproxil Fumarate/GS-9350 Versus Ritonavir-Boosted Atazanavir Plus Emtricitabine/Tenofovir Disoproxil Fumarate in HIV-1 Infected, Ant 550

Sponsor: Gilead Sciences, Inc.

Co-PI:

Gilead Sciences, Inc. Protocol GS-US-216-0114: A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of GS-9350-boosted Atazanavir Versus Ritonavir-Boosted Atazanavir Each Administered with Emtricitabine/Tenofovir Disoproxil Fumara 510

Sponsor: Gilead Sciences, Inc.

Co-PI:

ING113086 A Phase III, Randomized, Double-blind Study to Determine the Non-inferiority of Once Daily GSK1349572 to Raltegravir when Both are Administered with Either Abacavir/lamivudine or Tenofovir/emtricitabine in HIV-1 Infected, Antiretroviral Naive Ad 8,269

Sponsor: GlaxoSmithKline LLC

Co-PI:

Lin, Tu

An Extension Trial to NN1250-3579 Comparing Safety and Efficacy of NN1250 Plus OAD(s) with Insulin Glargine Plus OAD(s) in Type 2 Diabetes (Trial ID NN1250-3643) - 18190-JA59 9,643

Sponsor: Novo Nordisk, Inc.

Co-PI: Rizvi, Ali

Rizvi, Ali

Systolic Blood Pressure Intervention Trial (SPRINT) - 18190-FA05 9,764

Sponsor: Wake Forest University/NIH

Co-PI:

Neurology

Sen, Souvik

Insulin Resistance Intervention after Stroke (IRIS) Trial - 18450-FA02 9,846

Sponsor: Yale University/NIH

Co-PI: Selph, James Mrelashvili, Davit Hwang, Te-Long

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Pediatrics

Ferrante, Richard

South Carolina Assistive Technology Program - 18140-FL96

48,310

Sponsor: Rehabilitation Services Administration/USDE

Co-PI:

Rotholz, David

Autism Consultation Services - 18140-FL99

46,000

Sponsor: Sumter School District 17/USDE

Co-PI:

Pharmacology, Physiology & Neuroscience

Sweitzer, Sarah

Pre-clinical Assessment of Novel Nektar Compounds in the Treatment of Neuropathic Pain-associated Behaviors in a Rodent L5 Spinal Nerve-transaction Model - 18080-JA13

69,796

Sponsor: Nektar Therapeutics

Co-PI:

Public Health, Arnold School of

Environmental Health Sciences

Porter, Dwayne

Implementation of Automated Water Quality

10,128

Advisory Forecast Models for Southeastern US Swimming Beaches - 11510-KA07

Sponsor: Southeast Coastal Ocean Observing Regional Association (SECOORA)

Co-PI:

Epidemiology & Biostatistics

Hebert, James

Columbia's Cooking - Revenue Account - 22080-LL00

65,864

Sponsor: Various Sponsors

Co-PI:

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April, 2011 New Awards

McKeown, Robert

*Longitudinal Follow-up of Youth with ADHD Identified in Community Settings
(CLIN0002)(CLIN0003) - 11520-FA98* 222,348

Sponsor: Centers for Disease Control (CDC)/HHS

Co-PI:

Svendsen, Erik

*Contract Between SCDHEC and USC to Provide Services of an Environmental
Epidemiologist - 11520-FA88* 32,000

Sponsor: SC Department of Health & Environmental Control (DHEC)/HHS

Co-PI:

Exercise Science

Carmichael, Martin

Role of Brain IL-1beta in Cancer Fatigue: Benefits of Quercetin - 11530-KJ01 104,000

Sponsor: American Cancer Society

Co-PI:

Carson, James

Cachexia in ApcMin/+ mice: The Role of IL-6 - 11530-FA49 243,337

Sponsor: National Institutes of Health (NIH)

Co-PI: Berger, Franklin Davis, J. Mark

Sieverdes, John

Validity and Reliability Evaluation of the Technogym MyWellness Key - 11530-JA08 17,532

Sponsor: TechnoGym - The Wellness Company

Co-PI:

Health Promotion, Education & Behavior

Cassady, Ann

GA: Kathryn (Katie) Zenger - 11540-KP44 758

Sponsor: SC Campaign to Prevent Teen Pregnancy

Co-PI: Watkins, Ken

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April, 2011 New Awards

Health Services Policy and Management

Byrd, Michael

GA: Justin Warren - 11550-JR19 6,000
Sponsor: Columbia Cardiology
Co-PI:

GA: Ashley Maynard - 11550-LR59 3,000
Sponsor: Palmetto Health
Co-PI:

GA: Christopher Burke - 11550-LR60 3,000
Sponsor: Palmetto Health
Co-PI:

GA: Courtney Murray - 11550-LR61 3,500
Sponsor: Palmetto Health Community Services
Co-PI:

Martin, Amy

Environmental Scan II - 11550-GL02 10,000
Sponsor: SC Department of Health & Human Services
Co-PI:

Public Health, Arnold School of - Dean

Pack, Maya

ASTHO Health Impact Assessment Project - 11500-KA07 8,000
Sponsor: SC Department of Health & Environmental Control (DHEC)/ASTHO
Co-PI:

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April, 2011 New Awards

Smith, Lillian

2010-2012 Public Health Practice Postgraduate Program - 11500-FL25 63,033

Sponsor: SC Department of Health & Environmental Control (DHEC)/CDC

Co-PI:

2010-2012 Public Health Practice Postgraduate Program (Child Care (OBESITY) - 11500-FL28 29,991

Sponsor: SC Department of Health and Environmental Control(DHEC)/CDC

Co-PI:

2010-2012 Public Health Practice Postgraduate Program - 11500-GL06 203,516

Sponsor: SC Department of Health & Environmental Control (DHEC)

Co-PI: Pate, Russ Brown, William

2010 2012 Public Health Practice Postgraduate Program AMENDMENT - 11500-GL07 17,902

Sponsor: SC Department of Health and Environmental Control (DHEC)

Co-PI:

Smithwick-Leone, Julie

PASOs for Parents Assistance for Childcare - 11500-KL10 1,500

Sponsor: Mt. Tabor Lutheran Church

Co-PI:

Research in Nutrition & Health Disparities, Center for

Moran, Robert

Diabetes Prevention Program Outcomes Study - 11590-FA41 47,267

Sponsor: George Washington University/NIH

Co-PI:

Social Work, College of

Social Work, College of

Ward, James

GA: Lauren Peasley - 15900-KR79 2,426

Sponsor: Protection & Advocacy for Persons with Disabilities

Co-PI:

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April, 2011 New Awards

University Libraries

Thomas Cooper Library

Wilsbacher, Greg

An Open Source Application for Image-Based Digital Reproduction of Optical Film Sound (Summary) - 30000-FA12 300,000

Sponsor: National Endowment for the Humanities (NEH)

Co-PI: Cooper, Mark Petrushev, Pencho Karaivanov, Borislav

USC Aiken

USC Aiken

Harmon, Sarah

Development and Implementation of an Enhanced Biology Degree in Environmental Remediation and Restoration - 17110-FJ13 92,276

Sponsor: SRS Community Reuse Organization/DOE

Co-PI: Jackson, William

Tuten, Jane

Proposal for Continuation of Contract for DOE-SR Public Reading Room at the University of South Carolina Aiken - 17110-FL38 30,218

Sponsor: US Department of Energy (DOE)

Co-PI:

USC Beaufort

USC Beaufort - Academic Affairs

Montie, Eric

*An Ecosystem-based Approach to Conducting Standardized Health Surveillance and Hearing Measurements in Wild Atlantic Bottlenose Dolphins (*Tursiops truncatus*) Inhabiting the Indian River Lagoon, Florida - 17210-KA03* 26,000

Sponsor: Florida Atlantic University/Georgia Aquarium

Co-PI:

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April, 2011 New Awards

Salazar, John

Red Fields/Green Fields - 17210-HA04

5,000

Sponsor: Town of Hilton Head Island

Co-PI:

Beaufort Shrimp Festival Attendees - 17210-KA04

750

Sponsor: Beaufort Regional Chamber of Commerce

Co-PI:

USC Beaufort - Community Outreach

Hargrove, Bonnie

Beaufort Arts Center - 17230-KL02

5,000

Sponsor: Gaylord & Dorothy Donnelley Foundation

Co-PI:

USC Salkehatchie

USC Salkehatchie

Rice, Anne

SRSCRO Advancing Nuclear Skills Regionally (ANSR) Salkehatchie - 17660-FL31

111,720

Sponsor: SRS Community Reuse Organization/DOE

Co-PI:

Report Total:

\$7,094,688