

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

July, 2011 New Awards

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**Arts and Sciences, College of**

**Archaeology & Anthropology, SC Institute of**

**Rice, Nena**

*Printing of South Carolina Archaeology Month Poster 2011 - ( 21300-FL06 )* 5,000

**Sponsor:** SC Department of Archives and History/DOI

**Co-PI:**

total project dollars if available:

**Smith, Steven**

*Evaluation of an Inadvertent Discovery, McCrady Training Facility - ( 21300-FA67 )* 6,572

**Sponsor:** South Carolina Army National Guard/DOD

**Co-PI:**

total project dollars if available:

*On-Site Graduate Assistant For Cultural Resource Management At McCrady Training Facility - ( 21300-FA68 )* 17,132

**Sponsor:** SC Army National Guard/DOD

**Co-PI:**

total project dollars if available:

**Biological Sciences**

**Mousseau, Timothy**

*Qiagen Donations to USC-CRI in Support of Research in Chernobyl and Fukushima - ( 13010-JA07 )* 10,000

**Sponsor:** QIAGEN GmbH

**Co-PI:**

total project dollars if available:

**Pena, Maria**

*Stromal Modulation of Response to Thymidylate Synthase Inhibitors - ( 13010-FB87 )* 276,005

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

**Co-PI:** Pena, Edsel

total project dollars if available:

**Chemistry & Biochemistry**

**Shimizu, Ken**

*US Egypt Cooperative Research: Luminescent Molecularly Imprinted Polymer Sensor Arrays - ( 13020-FC01 )* 125,000

**Sponsor:** National Science Foundation (NSF)

**Co-PI:**

total project dollars if available:

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**Earth Sciences & Resources Institute**

**Kloot, Robin**

*Video Coverage for Providing Diversity in Cropping Systems to Improve Soil Health - ( 24400-FL01 )* 35,591

**Sponsor:** Natural Resources Conservation Service (NRCS)/USDA

**Co-PI:**

total project dollars if available:

**Mathematics**

**Wang, Qi**

*Modeling and Simulation of Organ Biofabrication Processes - ( 21400-FA06 )* 22,000

**Sponsor:** SC Research Authority (SCRA)/SC EPSCoR/NSF

**Co-PI:** Liu, Xinfeng Yang, Xiaofeng

total project dollars if available:

**Physics & Astronomy**

**Myhrer, Fred**

*Theoretical Studies of Hadronic and Nuclear Dynamics - ( 13070-FB04 )* 325,000

**Sponsor:** National Science Foundation (NSF)

**Co-PI:**

total project dollars if available:

**Psychology**

**Coulon, Sandra**

*Social-Environmental, Physiologic, and Genetic Determinants of Blood Pressure in Underserved African Americans - ( 13580-FA90 )* 34,808

**Sponsor:** National Institute on Aging (NIA)/NIH

**Co-PI:** Wilson, Dawn Kostek, Matthew

total project dollars if available:

**Smith, Bradley**

*CHP Summer Camp at the River's Edge Retreat - ( 13580-GL00 )* 56,972

**Sponsor:** River's Edge Retreat/SC Department of Education

**Co-PI:**

total project dollars if available:

*2011 CHP IT-ology Summer Camp - ( 13580-KL02 )* 25,000

**Sponsor:** IT-ology

**Co-PI:**

total project dollars if available:

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**Statistics**

**Pena, Edsel**

*Stromal Modulation of Response to Thymidylate Synthase Inhibitors - ( 13080-FB39 )* 14,636

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

**Co-PI:**

total project dollars if available:

**Theatre and Dance, Department of**

**Duffy, Peter**

*Workshops for Media and Theatre - ( 12580-GJ00 )* 40,000

**Sponsor:** South Carolina Film Commission/SC Dept of Parks, Recreation and Tourism

**Co-PI:** Hogue, Susan

total project dollars if available:

**Business & Finance**

**Transportation Services**

**Evans, Richard**

*Ford Hydrogen Internal Combustion Engine Shuttle Van Project - ( 66040-FQ00 )* 50,000

**Sponsor:** US Department of Energy (DOE)

**Co-PI:**

total project dollars if available:

**Business, Moore School of**

**Business, Moore School of - Division of Research**

**Keune, Marsha**

*School of Accounting - PwC INquiries Grant - ( 21200-KA27 )* 9,800

**Sponsor:** PricewaterhouseCoopers Charitable Foundation, Inc.

**Co-PI:** Vandervelde, Scott Tuttle, Brad

total project dollars if available:

**Education, College of**

**Education Leadership & Policies**

**Bloom, Jennifer**

*GA: Kimberly Caudle, Elaine Lewis, Leslie West, Mckinlaye Harkavy - ( 15230-LP24 )* 48,300

**Sponsor:** Columbia College

**Co-PI:**

total project dollars if available:

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**Office of Program Evaluation**

**D'Amico, Leigh**

*Subaward: Winthrop Initiative for STEM Educators (WISE) - ( 15290-FL24 )* 13,478

**Sponsor:** Winthrop University/NSF

**Co-PI:**

total project dollars if available: 67,390

**Physical Education**

**Mensch, James**

*GA: Caleb Lott and Greg Shedd - ( 15210-HP18 )* 39,000

**Sponsor:** Newberry County School District

**Co-PI:**

total project dollars if available:

*GA: Erin Vines - ( 15210-LP14 )* 18,500

**Sponsor:** Cardinal Newman High School

**Co-PI:**

total project dollars if available:

*GA: Ashleigh Wilkes - ( 15210-LP15 )* 18,500

**Sponsor:** Heathwood Hall Episcopal School

**Co-PI:**

total project dollars if available:

*GA: Nina Szemis - ( 15210-LP16 )* 20,000

**Sponsor:** Atlantic Coast Orthopaedic Resources, Inc.

**Co-PI:**

total project dollars if available:

*GA: Sonya Fuemmeler - ( 15210-LP18 )* 18,500

**Sponsor:** Hammond High School

**Co-PI:**

total project dollars if available:

*GA: John Stavarnakis - ( 15210-LP19 )* 20,000

**Sponsor:** Lee County School District

**Co-PI:**

total project dollars if available:

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**SC Educational Policy Center**

**Monrad, Diane**

*An Investigation of Technical Issues Related to the South Carolina Accountability System - ( 15270-GA15 )* 75,008

**Sponsor:** SC General Assembly

**Co-PI:**

total project dollars if available:

**Engineering & Computing, College of**

**Chemical Engineering**

**Amiridis, Michael**

*Development of the New Generation of Hydrotreating Catalysts: Effect of the Chelating Reagent on the Sulfidation and Activity of Ni-MoS<sub>2</sub> Catalysts - ( 15510-JA93 )* 128,281

**Sponsor:** UOP

**Co-PI:** Monnier, John Segawa, Kohichi

total project dollars if available:

**Zhou, Xiao-Dong**

*High Power and Long Life SOFC Systems Powered by JP-8 - ( 15510-FB93 )* 150,000

**Sponsor:** Space and Naval Warfare Systems Center (SSC) Pacific/DOD

**Co-PI:**

total project dollars if available:

**Mechanical Engineering**

**Huang, Xinyu**

*Synthesis of CNT supported Platinum Catalysts for High Temperature PEM Fuel Cell - ( 15540-JA57 )* 16,396

**Sponsor:** Mystic Technology Partners

**Co-PI:**

total project dollars if available:

*Performance Evaluation Testing and MEA Development with Dimethyl Ether (DME) Fuel for PEM Fuel Cells - ( 15540-JA59 )* 6,458

**Sponsor:** Neutzler and Associates, Inc.

**Co-PI:**

total project dollars if available:

**Knight, Travis**

*Thermochemical Investigation of U-Ln-O Systems - ( 15540-FB98 )* 80,000

**Sponsor:** Oak Ridge National Laboratory/DOE

**Co-PI:**

total project dollars if available:

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**Sutton, Michael**

*SEM and AFM Imaging for Accurate Micro-scale and Macro-scale Measurements:  
Assessment and Validation of Digital Image Correlation Approaches for Thermal  
Strain Measurements - ( 15540-JA58 )* 100,000

**Sponsor:** Semiconductor Research Corporation (SRC)/Intel Corporation

**Co-PI:** Li, Xiaodong

total project dollars if available:

**Hospitality, Retail & Sport Management, College of**

***Sport & Entertainment Management***

**Gillentine, Andrew**

*SEVT Conference - Hospitality Tax Application - ( 14030-HJ04 )* 6,000

**Sponsor:** City of Columbia

**Co-PI:**

total project dollars if available:

**Medicine, School of**

***Cell Biology & Anatomy***

**Brower, Gregory**

*Continuous Monitoring of Anti-Fibrinolytic Therapy in Cardiovascular Surgery - ( 18020-FA85 )* 293,621

**Sponsor:** Micro Vide, LLC/NIH

**Co-PI:**

total project dollars if available:

**Morad, Martin**

*Suppression of Cardiac Calcium Channels by Acute Hypoxia - ( 18020-FA82 )* 342,500

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

**Co-PI:** Cleemann, Lars

total project dollars if available: 1,370,000

***Internal Medicine***

**Dever-Bumba, Maureen**

*Donald W. Reynolds Grant Subrecipient Grant: Technical Assistance for Wake Forest  
University - ( 18190-KL08 )* 47,500

**Sponsor:** Wake Forest University Health Sciences/Donald W. Reynolds Foundation

**Co-PI:**

total project dollars if available:

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**Hirth, Victor**

*DW Reynolds Foundation Next Steps in Physician Training in Geriatrics - ( 18190-KJ03 )* 434,619

**Sponsor:** DW Reynold's Foundation

**Co-PI:** Bell, Richard McMurtry Dever-Bumba, Maureen

total project dollars if available:

**McGuire, Franklin**

*Lung Cancer Surgery: Decisions Against Life Saving Care -- The Intervention - ( 18190-KA10 )* 326,039

**Sponsor:** The University of North Carolina at Chapel Hill/American Cancer Society

**Co-PI:**

total project dollars if available:

**Neurology**

**Mrelashvili, Davit**

*JCV Antibody Program in Patients with Relapsing Multiple Sclerosis Receiving or Considering Treatment with Tysabri - STRATIFY 2 - ( 18450-JA02 )* 1,000

**Sponsor:** Biogen Idec Inc.

**Co-PI:** Sen, Souvik Selph, James Hwang, Te-Long

total project dollars if available:

**Pathology & Microbiology**

**Nagarkatti, Mitzi**

*Role of Natural Indoles in Experimental Autoimmune Encephalomyelitis - ( 18060-FA60 )* 411,000

**Sponsor:** National Center for Complementary & Alternative Medicine (NCCAM)/NIH

**Co-PI:** Nagarkatti, Prakash

total project dollars if available: 2,038,560

**Robinson, Cory**

*The Involvement of IL-12 and IL-27 in Immunity to Mycobacterium Tuberculosis - ( 18060-FA59 )* 249,000

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

**Co-PI:**

total project dollars if available: 744,277

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**Pharmacy, SC College of**

***Pharmaceutical and Biomedical Sciences***

**Hofseth, Lorne**

*Targeting Protein Arginine Deiminases to Prevent Colitis and Colon Cancer - ( 11110-FA48 )* 345,583

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

**Co-PI:**

total project dollars if available: 2,050,151

**Public Health, Arnold School of**

***Center for Health Services & Policy Research***

**Gillam, Pamela**

*Work Support Strategies Grant - ( 11580-FL19 )* 148,540

**Sponsor:** SC Department of Health & Human Services/The Urban Institute/HHS

**Co-PI:**

total project dollars if available:

***Communication Sciences & Disorders***

**Frank, Elaine**

*Project Speech-Language Pathology Rucruitment and Retention Cohort F - Year 1 - ( 11560-FJ25 )* 123,393

**Sponsor:** SC Department of Education/USDE

**Co-PI:**

total project dollars if available:

***Health Promotion, Education & Behavior***

**Annang, Lucy**

*Assessment of Health Services Needs Pre- and Post-Disaster in Rural SC - ( 11540-FA45 )* 217,500

**Sponsor:** National Institute of Environmental Health Sciences (NIEHS)/NIH

**Co-PI:** Wilson, Sacoby Svendsen, Erik Martin, Amy Ball, Julia

total project dollars if available: 398,750

**Cassady, Ann**

*GA: Elizabeth Benfield - ( 11540-KP45 )* 2,401

**Sponsor:** SC Campaign to Prevent Teen Pregnancy

**Co-PI:** Watkins, Ken

total project dollars if available:

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**Jones, Sonya**

*Examining the Relationship between the Social Context of Meals, Diet Quality and Eating Patterns in Food-insecure African-American Households with Children. - ( 11590-FA43 )* 2,000

**Sponsor:** Mississippi State/USDA

**Co-PI:**

total project dollars if available:

***Health Services Policy and Management***

**Martin, Amy**

*Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program - ( 11550-FL12 )* 179,829

**Sponsor:** The Children's Trust Fund of SC/HRSA

**Co-PI:** Hale, Nathan

total project dollars if available:

***Public Health, Arnold School of - Dean***

**Pack, Maya**

*State Public Health Department Comprehensive Heart Disease and Stroke Prevention Program - ( 11500-FA16 )* 8,500

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

**Co-PI:**

total project dollars if available:

**Smithwick-Leone, Julie**

*Literacy for Latino Leaders - ( 11500-KJ11 )* 25,000

**Sponsor:** Central Carolina Community Foundation/John S. & James L. Knight Fdn.

**Co-PI:**

total project dollars if available:

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**Social Work, College of**

***Social Work, College of***

**Ward, James**

GA: *Rebecca Jester - ( 15900-KR83 )* 2,426

**Sponsor:** Interfaith Hospitality Network of Augusta

**Co-PI:**

total project dollars if available:

GA: *Ingrid Easton - ( 15900-KR84 )* 2,426

**Sponsor:** Interfaith Hospitality Network of Augusta

**Co-PI:**

total project dollars if available:

GA: *Monifa McCarther - ( 15900-KR85 )* 2,426

**Sponsor:** Steppingstones To Recovery

**Co-PI:**

total project dollars if available:

GA: *Melanie Mosberg - ( 15900-KR86 )* 2,412

**Sponsor:** Christian Family Services, Inc.

**Co-PI:**

total project dollars if available:

**University Libraries**

***Thomas Cooper Library***

**Boyd, Kate**

*South Carolina Digital Library: Ongoing Initiative - ( 30000-FL06 )* 48,700

**Sponsor:** SC State Library/IMLS/NEH

**Co-PI:**

total project dollars if available:

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**USC Aiken**

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**Priest, Jeffrey**

*PRIME TIME on Achievement: Projects for Rigorous Instruction in Mathematics Education with Technology Integration for Maximum Effect on Achievement - ( 17110-FJ15 )* 78,563

**Sponsor:** South Carolina Commission on Higher Education/USDE

**Co-PI:** Johnson, Gwendolyn

total project dollars if available:

**USC Beaufort**

**USC Beaufort - Academic Affairs**

**Canada, Brian**

*GEAR: Ad hoc Computational Support of SC Project Activities - ( 17210-FA11 )* 10,000

**Sponsor:** SC Research Authority (SCRA)/SC EPSCoR/NSF

**Co-PI:**

total project dollars if available:

**USC Upstate**

**USC Upstate**

**Amendolair, Darlene**

*MUVE: Nursing Education - ( 17880-GA06 )* 9,000

**Sponsor:** University Center of Greenville

**Co-PI:** Talley, Catherine Smith, Sharon Talley

total project dollars if available:

**Ellis, Timothy**

*Virtual Factory Lab Simulations - ( 17880-GA05 )* 4,000

**Sponsor:** University Center of Greenville

**Co-PI:**

total project dollars if available:

**Report Total: \$5,129,915**