

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

**July, 2012 New Awards**

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**Arts and Sciences, College of**

**Archaeology & Anthropology, SC Institute of**

**Dawson, Audrey**

*Development of Website and Public Display Content and Layout for the SCARNG:  
Part 2 of the Armory Mitigation Project - ( 21300-FA77 )* 35,670

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

*On-Site Graduate Assistant for Cultural Resource Management at McCrady Training  
Facility (South Carolina Military Department) - ( 21300-FA78 )* 18,036

**Sponsor:** SC Army National Guard (SCARNG)/DOD

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**King, Adam**

*Material Transformation and Community Creation at the Etowah Site, Georgia - ( 21300-FA76 )* 149,891

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

**Biological Sciences**

**Kresovich, Stephen**

*International Sorghum Genetics Workshop - ( 13010-KJ02 )* 48,373

**Sponsor:** Bill & Melinda Gates Foundation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Sawyer, Roger**

*OEO: BIOL J530 Sec. 621: Histology - ( 12100-LX00 )* 12,210

**Sponsor:** Medical University of South Carolina (MUSC)

**Co-PI:** Sawyer, Roger

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Szalai, Gabor**

*Microencapsulation of Oocytes for Low-CPA (cryoprotectant) Vitrification - ( 13010-FC07 )* 10,092

**Sponsor:** The Ohio State University/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 3

**Chemistry & Biochemistry**

**Greytak, Andrew**

*Minority Research Participation in Calorimetry of Nanoparticles - ( 13020-FJ02 )* 6,720

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Lavigne, John**

*Synthetic Lectins: New Tools for Detection and Management of Prostate Cancer - ( 13020-FC18 )* 531,493

**Sponsor:** US Army Medical Research Acquisition Activity/DOD

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 531,493  
PROJECT\_YEARS: 3

**Rassolov, Vitaly**

*Development of Correlation Operator Approach to Model Electron Correlation - ( 13020-FC16 )* 220,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 3

**Tang, Chuanbing**

*Cationic Cobaltocenium Polyelectrolyte Polymers: Synthesis, Self-Assembly and Utilities - ( 22040-FA38 )* 120,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 360,000  
PROJECT\_YEARS: 1

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**Wang, Qian**

*I-Corps: Fluorogenic Dyes and Fluorogenic Linkers as Enabling Tools for Bioconjugation Technology - ( 13020-FC15 )* 50,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**zur Loye, Hans-Conrad**

*A Synthetic Strategy to Prepare New Complex Uranium and Thorium Containing Oxides: Predictive Solid State Synthesis of New Composition using Radius Ratio Rules and Materials Discovery based on Crystal Growth from High Temperature Solutions - ( 13020-FC17 )* 50,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 420,000  
PROJECT\_YEARS: 3

**Environment and Sustainability Program**

**Pournelle, Jennifer**

*Deltaic Resilience and the Genesis of Mesopotamian Cities (Iraq) - ( 10060-FA20 )* 176,946

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 3

**History**

**Weyeneth, Robert**

*GA: Caroline Vereen - ( 13550-JP19 )* 7,500

**Sponsor:** HNTB Corporation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Mathematics**

**Ju, Lili**

*Numerical Improvements, Mesh Adaptation and Parameter Identification for Parallel Finite Element Stokes Ice Sheet Modeling - ( 21400-FA14 )* 157,618

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 3

**Physics & Astronomy**

**Gothe, Ralf**

*JSA/Jefferson Lab Graduate Fellowship Award 2012/13 - ( 13070-FB15 )* 11,860

**Sponsor:** Jefferson Science Associates LLC (JSA)/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Psychology**

**Brown, Martha**

*GA: Jessica Scherr & Carl Sorensen - ( 13580-LP25 )* 21,700

**Sponsor:** Pine Grove, Inc.

**Co-PI:** Hills, Kimberly

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Cooper, Shauna**

*CAREER: African American Father Engagement and Early Adolescents' Academic and Social Adjustment - ( 13580-FB00 )* 87,732

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 430,041  
PROJECT\_YEARS: 5

**Wilson, Dawn**

*Families Improving Together (FIT) for Weight Loss - ( 13580-FA99 )* 634,209

**Sponsor:** National Institutes of Child Health & Human Development (NICHD)/NIH

**Co-PI:** Prinz, Ron Van Horn, M.

AWARD\_PROJECT\_AMT. IF AVAILABLE: 2,972,399  
PROJECT\_YEARS: 1

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**Public Service & Policy Research, Institute for**

**Oldendick, Robert**

*Survey of Local Government Emergency Management Capabilities - ( 21100-FL46 )* 9,000

**Sponsor:** SC Budget & Control Board/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

*Mark Clark Expressway Citizen Survey - ( 21100-GL21 )* 36,000

**Sponsor:** CDM Smith/DOT

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Education, College of**

**Instruction & Teacher Education**

**Knopf, Herman**

*Give Army Parents a Break (GAPAB) Respite Child Care Services - ( 15250-FL41 )* 30,464

**Sponsor:** National Association of Child Care Resource and Referral Agencies (NACCRRA)/US Army/DOD

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Thompson, Stephen**

*Expanding Nature-Based Inquiry Opportunities in Elementary Science Education - ( 13090-FL04 )* 120,499

**Sponsor:** SC Commission on Higher Education/USDE

**Co-PI:** Ely, Berten

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 4

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**Physical Education**

**Mensch, James**

GA: Bryant Parnell - ( 15210-HP20 ) 20,000

**Sponsor:** Fairfield County School District

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

Datalys Center FOA Youth Football Safety Study - ( 15210-KL01 ) 31,100

**Sponsor:** Datalys Center for Sports Injury Research and Prevention

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

GA: Emily Whittington - ( 15210-LP20 ) 19,000

**Sponsor:** Heathwood Hall Episcopal School

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

GA: Caroline Crowley and Kristen Sutton - ( 15210-LP21 ) 40,000

**Sponsor:** Newberry County School District

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

GA: Britton Harper - ( 15210-LP22 ) 20,000

**Sponsor:** Lee County School District

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Torres-McGehee, Toni**

Provision of Athletic Training Services for Swansea High School - ( 15210-HL00 ) 34,580

**Sponsor:** Swansea High School

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Engineering & Computing, College of**

**Chemical Engineering**

**Williams, Christopher**

*Collaborative Research: Electrochemical Reduction of CO2 to Small Organic Fuels on Encapsulated Metal Catalysts in Gas Diffusion Electrode Environment - ( 15510-FC05 )* 120,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**Civil & Environmental Engineering**

**Huynh, Nathan**

*Integration of the Incident Command System (ICS) Protocol for Effective Coordination of Multi-Agency Response to Traffic Incidents - ( 15520-FB00 )* 98,705

**Sponsor:** Clemson University/SCDOT/Federal Highway Administration

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

*South Carolina Statewide Multimodal Transportation Plan - ( 15520-GA08 )* 50,000

**Sponsor:** CDM Smith, Inc./DOT

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 2

**Mechanical Engineering**

**Chen, Fanglin**

*Low Temperature Photonic Sintering for Ceramic Coated Heat Exchangers - ( 15540-FC23 )* 24,995

**Sponsor:** NNC Nano dba NovaCentrix/AFRL/DOD

**Co-PI:** Reifsnider, Kenneth

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**Giurgiutiu, Victor**

*Integrated Opto-Electronic Equipment for Autonomous Structural Health Monitoring Research - ( 15540-FQ05 )*

194,507

**Sponsor:** Office of Naval Research (ONR)/DOD

**Co-PI:** Yu, Lingyu Lin, Bin Bao, Jingjing Gresil, Matthieu

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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

***Hotel, Restaurant & Tourism Administration***

**DiPietro, Robin**

*Sustainability in Foodservice - ( 14050-JA01 )*

10,000

**Sponsor:** Sodexho, Inc.

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Medicine, School of**

***Cell Biology & Anatomy***

**Lavoie, Holly**

*The Role of STARD6 in Ovarian Steroidogenesis - ( 18020-FA98 )*

68,500

**Sponsor:** Eunice Kennedy Shriver/National Institute of Child Health & Human Development(NICHD)/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 137,000

PROJECT\_YEARS: 2

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**Family & Preventive Medicine**

**Graham, Catherine**

*Website for Recreation and Exercise Opportunities for People with Disabilities in SC - ( 18130-FL18 )* 17,296

**Sponsor:** Developmental Disabilities Council-Office of the Governor/HHS

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

*Disability Course Curriculum for Technical College Health Professionals - ( 18130-FL19 )* 10,265

**Sponsor:** Developmental Disabilities Council-Office of the Governor/HHS

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

**McDermott, Suzanne**

*Improving the Health of People with Disabilities through State Based Public Health Programs - ( 18130-FL17 )* 299,930

**Sponsor:** Centers for Disease Control (CDC)/HHS

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 899,790  
PROJECT\_YEARS: 3

**Internal Medicine**

**Ahuja, Divya**

*South Carolina AETC Telehealth Training Center - ( 18190-FJ21 )* 200,000

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

**Co-PI:** Albrecht, Helmut Duffus, Wayne Sutton, Scott

AWARD\_PROJECT\_AMT. IF AVAILABLE: 598,720  
PROJECT\_YEARS: 4

**Albrecht, Helmut**

*A Phase IIb Randomized, Controlled, Partially Blinded Clinical Trial to Investigate the Safety, Efficacy and Dose-response of BMS-986001 in Treatment-naive HIV-1-infected Subjects, Followed by an open-label Period on the Recommended Dose (Protocol AI46700)* 8,500

**Sponsor:** Bristol-Myers Squibb Company

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 4

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**Medicine Library**

**McMullen, Karen**

*Linking South Carolina Free Clinics to Quality Health Information: Phase III - ( 18280-FL11 )* 29,837

**Sponsor:** University of Maryland/ National Library of Medicine/NIH

**Co-PI:** McConnaughy, Rozalynd

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Pathology, Microbiology and Immunology**

**Nagarkatti, Mitzi**

*VA/IPA/Zhong - ( 18060-FA64 )* 61,890

**Sponsor:** WJB Dorn, VA Medical Center/VA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

*VA/IPA/PNagarkatti - ( 18060-FA65 )* 13,344

**Sponsor:** WJB Dorn VA Medical Center/VA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

*VA/IPA/Zhou - ( 18060-FA66 )* 85,016

**Sponsor:** WJB Dorn VA Medical Center/VA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

**Pharmacology, Physiology & Neuroscience**

**Baynes, John**

*11th International Symposium on the Maillard Reaction - ( 18080-FA29 )* 7,500

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Pharmacy, SC College of**

**Clinical Pharmacy and Outcomes Sciences**

**Ball, Sarah**

*Academic Detailing to Promote Smoking Cessation (SCORxE-SC Tobacco Collaborative Partnership) - ( 11150-FL07 )* 165,000

**Sponsor:** South Carolina Tobacco Collaborative/SC DHEC/CDC/HHS

**Co-PI:** Sorenson, Sophie Weed, Elizabeth

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

**Schulz, Richard**

*Southern Oncology Network on Adverse Reactions (SONAR) - Focus on Tyrosine Kinase Inhibitors (TKIs) - ( 11150-FA07 )* 478,426

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 2,239,082

PROJECT\_YEARS: 5

**Public Health, Arnold School of**

**Communication Sciences & Disorders**

**Fogerty, Daniel**

*Maximizing Speech Recognition Under Adverse Listening Conditions - ( 11560-FA13 )* 106,050

**Sponsor:** National Institute on Deafness & Other Communication Disorders (NIDCD)/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 318,150

PROJECT\_YEARS: 3

**Epidemiology & Biostatistics**

**Karmaus, Wilfried**

*Transgenerational Epigenetic Inheritance of Allergy in a Multigenerational Cohort (Research Supplement for Nelis Soto-Ramirez) - ( 11520-FB14 )* 43,574

**Sponsor:** National Institute of Allergy and Infectious Diseases (NIAID)/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 161,025

PROJECT\_YEARS: 2

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**Williams, Edith**

*Intervention to Improve Quality of life for African-American lupus patients (IQAN) - ( 11520-FB15 )* 103,654

**Sponsor:** National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK)/NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 447,576

PROJECT\_YEARS: 4

**Health Promotion, Education & Behavior**

**Frongillo, Edward**

*Summer Intervention Program - ( 11540-GA04 )* 2,500

**Sponsor:** City of Columbia/SC Department of Public Safety

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Kaczynski, Andrew**

*Building Youth Capacity for Healthy Community Design - ( 11540-KA42 )* 46,604

**Sponsor:** Eat Smart Move More South Carolina

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Thrasher, James**

*Building Evidence for Effective and Sustainable Cigarette Warning Label Policy - ( 11590-FA52 )* 609,089

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 2,701,557

PROJECT\_YEARS: 5

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

**Smithwick, Julie**

*Parenting Skills for Latino Families - ( 11500-KL17 )* 7,500

**Sponsor:** Hootie and the Blowfish Foundation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Research, Vice President for**

**Research, Vice President for - (General)**

**Herriott, Don**

*EDA 2012 University Centers Grant: Innovista Center for Product Realization - (22000-FA13)* 128,592

**Sponsor:** US Economic Development Administration (EDA)/DOC

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 5

**Social Work, College of**

**Social Work, College of**

**DeHart, Dana**

*Internet Crimes Against Children: Development of a Typology of Offenders for Use in Prevention, Investigations, and Treatment - (15900-FA33)* 70,916

**Sponsor:** Medical University of SC/DOJ

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 3

**USC Beaufort**

**USC Beaufort - Academic Affairs**

**Calvert, Charles**

*Vision for the Future: A Collaboration between USC Beaufort and the Town of Hilton Head Island - (17210-GL04)* 118,060

**Sponsor:** Town of Hilton Head Island

**Co-PI:** Barth, Sean Olivetti, Keri

AWARD\_PROJECT\_AMT. IF AVAILABLE:  
PROJECT\_YEARS: 1

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**USC Upstate**

**USC Upstate**

**Williams, George**

*Making the Digital Humanities More Open: NEH Start Up, Level 2 - ( 17880-FA12 )*

49,339

**Sponsor:** National Endowment for the Humanities (NEH)

**Co-PI:** Herzberg, Tina

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Report Total:**

**\$5,940,282**