

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

**May, 2014 New Awards**

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**Arts and Sciences, College of**

**Archaeology & Anthropology, SC Institute of**

**Cobb, Charles**

*Pilot Study of Silver Bluff Plantation - ( 21300-KA07 )*

5,800

**Sponsor:** Thomas Jefferson Foundation / Andrew W. Mellon Foundation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Biological Sciences**

**Szalai, Gabor**

*CSBR: Living Stocks - A Stock Center for Peromyscus - ( 22060-FA01 )*

149,963

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

**Co-PI:** Felder, Michael

AWARD\_PROJECT\_AMT. IF AVAILABLE: 449,889

PROJECT\_YEARS: 3

**Chemistry & Biochemistry**

**Angel, S.**

*Collaborative Research: Laser Induced Breakdown Spectroscopy System for Alvin - ( 13020-FC41 )*

104,282

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 200,294

PROJECT\_YEARS: 3

**Tang, Chuanbing**

*From Monomers to Polymers For Production of Thermoplastic Elastomers - ( 13020-KA97 )*

100,000

**Sponsor:** SmithBucklin Corporation/United Soybean Board

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Earth and Ocean Sciences**

**Kellogg, James**

*South Carolina Piedmont Structural Features Mapping Project - ( 13040-GA21 )* 12,000

**Sponsor:** SC Department of Natural Resources (SCDNR)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**White, Scott**

*Exploring Geological Activity Associated with Off-Axis Melt Sills at the East Pacific Rise - ( 13040-FC22 )* 10,020

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Geography**

**Wang, Cuizhen**

*Computing-Assisted Zoning Optimization and Service - ( 13540-FB24 )* 72,500

**Sponsor:** ZillionInfo/NSF

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

**Mathematics**

**Ballard, Matthew**

*Group Actions, Derived Categories, Birational Geometry, and Mirror Symmetry - ( 13060-KA12 )* 35,000

**Sponsor:** Simons Foundation

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 35,000

PROJECT\_YEARS: 5

**Political Science**

**Shaw, Todd**

*EAGER: Place Attachment and Collective Action: The Changing Landscape of Urban Neighborhoods - ( 13570-FA08 )* 163,407

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

**Co-PI:** Foster, Kirk

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Psychology**

**Harzer, Claudia**

*The Role of Character Strengths at the Workplace - ( 13580-LA03 )*

10,716

**Sponsor:** Various Sponsors

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Business, Moore School of**

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

**Ferguson, Mark E**

*Oracle Research - ( 21200-JA28 )*

90,000

**Sponsor:** Oracle America, Inc.

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Education, College of**

**Office of Program Evaluation**

**D'Amico, Leigh**

*Quality Counts Evaluation - ( 15290-KA04 )*

57,200

**Sponsor:** Mary Black Foundation, Inc.

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Dickenson, Tammiee**

*Common Assignment Project with the Center for Assessment - ( 15290-KA05 )*

10,000

**Sponsor:** The National Center for the Improvement of Educational Assessment, Inc.  
(NCIEA)

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**SC School Improvement Council**

**Hudson, Tom**

*SC School Improvement Council, 2014-15 - ( 15280-GL21 )*

6,000

**Sponsor:** SC General Assembly

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Engineering & Computing, College of**

**Chemical Engineering**

**Jabbari, Esmail**

*Cancer Stem Cell Mechanotransduction in Engineered Matrix - ( 15510-FC37 )*

300,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**Jabbarzadeh, Ehsan**

*The Role of Microgravity in Regulation of Stem Cell Osteogenic Response In An Inflammatory Microenvironment - ( 15510-FC36 )*

10,000

**Sponsor:** SC Space Grant Consortium/NASA

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Ritter, James**

*Evaluation of CO2 Adsorbents using Gravimetric and Volumetric Adsorption Techniques - ( 15510-JB06 )*

80,000

**Sponsor:** Apache Corporation

**Co-PI:** Ebner, Armin

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Civil & Environmental Engineering**

**Song, Jeong-Hoon**

*Summer Undergraduate Research Fellowship (SURF) Program - ( 15520-FB15 )* 8,365

**Sponsor:** National Institute of Standard and Technology/DOC

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Ziehl, Paul**

*Estimation of Time or Cycles to Failure of Aging Components & Systems:  
Deterministic and Stochastic Models of Fatigue with or without NDE Data on Defect  
Growth and Load Estimation - ( 15520-FL01 )* 14,923

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

**Co-PI:** Giurgiutiu, Victor

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Computer Science & Engineering**

**Buell, Duncan**

*AP Summer Institute in Computer Science - ( 15590-GJ02 )* 16,475

**Sponsor:** SC State Department of Education

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Electrical Engineering**

**Ali, Mohammad**

*Reconfigurable Pixel Based Conformal Load Bearing Antenna Structures (CLAS) - ( 15530-FB57 )* 56,000

**Sponsor:** Universal Technology Corporation/USAF

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 135,570

PROJECT\_YEARS: 1

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**Mechanical Engineering**

**Kaoumi, Djamel**

*Developing Ultra-small Scale Mechanical Testing Methods and Microstructural Investigation Procedures for Irradiated Materials. , FC-2.1: Characterization and Instrumentation - ( 15540-FC67 )* 88,993

**Sponsor:** University of California, Berkeley/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 3

**Lin, Bin**

*USC Contribution to MAS Multi-Channel System for ATK Applications - ( 15540-JJ00 )* 1,616

**Sponsor:** LAMSS Technologies, LLC

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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

**Sport & Entertainment Management**

**Regan, Tom**

*An Economic Impact Analysis of the Charlotte Bobcats and Time Warner Cable Arena - ( 14030-KA04 )* 22,500

**Sponsor:** Charlotte Regional Visitor Authority

**Co-PI:** Koesters, Todd

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Law, School of**

**Children's Law Center**

**Morris, Carolyn**

*Statewide Initiative to Reduce the Institutionalization of Status Offenders - ( 15810-FL53 )* 127,860

**Sponsor:** S.C. Department of Public Safety/OJJDP/DOJ

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

*Statewide Initiative to Reduce the Institutionalization of Status Offenders - ( 15810-FL54 )* 46,752

**Sponsor:** S.C. Department of Public Safety/OJJDP/DOJ

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Medicine, School of**

**Cell Biology & Anatomy**

**Price, Robert**

*JEOL JEM-1400 Transmission Electron Microscope for the University of South Carolina School of Medicine - ( 18020-FQ06 )* 386,435

**Sponsor:** Office of the Director,NIH

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Internal Medicine**

**Owens, William**

*"A Phase III, Randomized, Double-Blind, Placebo-Controlled, Multicenter Clinical Study Evaluating the Safety and Efficacy of Icatibant as a Treatment for Angiotensin-Converting Enzyme Inhibitor (ACE-I) -Induced Angioedema in Adults" - ( 18190-JA81 )* 4,000

**Sponsor:** Shire Orphan Therapies, Inc.

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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**Rizvi, Ali**

*PARADIGM (Physicians Advancing Disease Knowledge in Hypoparathyroidism): A Natural History Registry for Patients with Chronic Hypoparathyroidism (Protocol No. PAR-R13-001) - ( 18190-JA82 )* 1,000

**Sponsor:** NPS Pharmaceuticals, Inc.

**Co-PI:** Sirinvaravong, Sirinart

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 10

**Pathology, Microbiology and Immunology**

**Cranford, Taryn**

*Regulation of Macrophages in Obesity-Enhanced Breast Cancer - ( 18060-FB00 )* 31,191

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 124,764

PROJECT\_YEARS: 4

**Nagarkatti, Prakash**

*Morris College - USC Mentoring Program - ( 22000-FA19 )* 66,640

**Sponsor:** Morris College/DOE

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Public Health, Arnold School of**

**Environmental Health Sciences**

**Kloot, Robin**

*Science of Soil Health Communication and Education - ( 11510-FB58 )* 20,000

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1



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**Volz, David**

*Developmental Toxicity Of Organophosphate-Based Flame Retardants - ( 11510-FB57 )* 222,493

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

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE: 408,352

PROJECT\_YEARS: 2

**Epidemiology & Biostatistics**

**Torres, Myriam**

*Promotores (Community Health Workers) Curriculum & Cultural Competency Training for Providers - ( 11500-FJ40 )* 103,015

**Sponsor:** SC Tobacco Collaborative/SCDHEC/CDC

**Co-PI:** Meetze, Edena

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Exercise Science**

**Carson, James**

*Cachexia in ApcMin/+ mice: The role of IL-6 - ( 11530-FB02 )* 246,848

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

**Co-PI:** Murphy, Elizabeth Pena, Maria

AWARD\_PROJECT\_AMT. IF AVAILABLE: 1,276,516

PROJECT\_YEARS: 5

**Hand, Gregory**

*Global Energy Balance Network - ( 11530-JJ01 )* 507,000

**Sponsor:** The Coca-Cola Company

**Co-PI:** Blair, Steven

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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

**Smith, Lillian**

*South Carolina Public Health Consortium Director's Contract - ( 11500-GL12 )* 20,000

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

**Co-PI:** Hand, Gregory

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 2

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**Social Work, College of**

***Families in Society, Institute for***

**Shapiro, Cheri**

*Young Parenting Community Assessment Proposal - ( 10010-KA16 )* 30,000

**Sponsor:** United Way of the Midlands

**Co-PI:** Hayes, Kathleen

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**USC Aiken**

***USC Aiken***

**Senn, Gary**

*NWP Writing Our Future: Family Academic Literacy Project - ( 17110-KJ01 )* 15,000

**Sponsor:** National Writing Project/Kellogg Foundation

**Co-PI:** Rhodes, Lynne

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**USC Upstate**

***USC Upstate***

**Herzberg, Tina**

*South Carolina Arts Leadership for Success Academy - ( 17880-GL19 )* 30,654

**Sponsor:** SC Department of Education

**Co-PI:**

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

**Rudisill, John**

*Icehouse Entrepreneurship Program - ( 17880-KJ06 )* 35,000

**Sponsor:** USC Upstate Foundation

**Co-PI:** Flynn, Clifton

AWARD\_PROJECT\_AMT. IF AVAILABLE:

PROJECT\_YEARS: 1

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Report Total: \$3,319,648