RPS Category I

Arts and Sciences, College of

Chemistry & Biochemistry

Thompson, Paul

Mechanism and Inhibition of Protein Arginine Methyltransferases - 13020-KA15 19,000

Sponsor: USC Research Foundation
Co-PI: Dawson, John

Geography

Dahlman, Carl

The Effects of Displacement Outcomes on Post-War State-Building and Social Reconstruction in Bosnia-Herzegovina - 13540-KA05 16,000

Sponsor: USC Research Foundation
Co-PI: Starr, Harvey

Geological Sciences

Barbeau, David

Mountain-Building & Sedimentary Basins in the Southernmost Andes - 13040-KA09 19,000

Sponsor: USC Research Foundation
Co-PI: Kohn, Matthew

Psychology

Aksenov, Michael

Protein Targets of Oxidative Stress in Neuronal Cell Culture Exposed HIV-1 Protein Tat and Cocaine: Dopamine Transporter (DAT) - 13580-KA08 19,000

Sponsor: USC Research Foundation
Co-PI: Booze, Rosemarie

Almor, Amit

Memory and Language in Aging and Alzheimer’s Disease - 13580-KA09 13,000

Sponsor: USC Research Foundation
Co-PI:

Walker, Rheeda

Piloting the Psychological Autopsy Method for African American Suicide - 13580-KA10 5,000

Sponsor: USC Research Foundation
Co-PI:
Sociology

Simpson, Brent

Trust and Embedded Markets - 13530-KA00 8,500

Sponsor: USC Research Foundation
Co-PI: Markovsky, Barry

Engineering & Information Technology, College of

Chemical Engineering

Jabbari, Esmaiel

Bimodally Degradable Hydrogels as a Carrier for Stem cells in Cartilage Regeneration - 15510-KA13 19,000

Sponsor: USC Research Foundation
Co-PI: Borg, Thomas

Moss, Melissa

Involvement of Endothelial Receptors in Abeta-augmented Adhesion and Vascular Degeneration. - 15510-KA12 19,000

Sponsor: USC Research Foundation
Co-PI: Matthews, Michael

Computer Science & Engineering

Huang, Chin-Tser

Multiple Instantiations of Dynamic Firewall Rules in BGP Routers - 15590-KA04 16,000

Sponsor: USC Research Foundation
Co-PI: Cameron, Kirk

Quan, Gang

Power Aware Scheduling for Real-Time Embedded Systems - 15590-KA03 14,000

Sponsor: USC Research Foundation
Co-PI: Cameron, Kirk

Valafar, Homayoun

Monosaccharide Decomposition Analysis of Complex Carbohydrates from 1D-1H NMR Spectra - 15590-KA02 19,000

Sponsor: USC Research Foundation
Co-PI: Rose, John
Sponsored Awards Management (SAM)
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Medicine, School of

Cell & Developmental Biology & Anatomy

Lessner, Susan

*In Vivo Imaging of Angiogenesis in a Mouse Model Using Soluble Quantum Dots* - 18020-KA06

**Sponsor:** USC Research Foundation

**Co-PI:** Borg, Thomas

Neuropsychiatry

Narasimhan, Meera

*An Open Label Trial of Aripiprazole in the Treatment of Autism and its Correlation to Whole Blood Serotonin Levels and Serotonin Transporter Function* - 18120-KA01

**Sponsor:** USC Research Foundation

**Co-PI:** Wright, Harry

Public Health, Arnold School of

Epidemiology & Biostatistics

Adams, Swann

*Ethnicity, Follow-up, and Breast Cancer Outcomes Among Economically Disadvantaged Women* - 11520-KA06

**Sponsor:** USC Research Foundation

**Co-PI:** Hebert, James

Exercise Science

Fritz, Stacy

*Modified Constraint-Induced Movement Therapy for Individuals with Chronic Lower-Extremity Deficits Post-Stroke* - 11530-KA15

**Sponsor:** USC Research Foundation

**Co-PI:** Baylis, Gordon

Pfeiffer, Karin

*Sensitivity to Change of Accelerometry as a Measure of Physical Activity* - 11530-KA16

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**Co-PI:** Pate, Russ
RPS Category II

Arts and Sciences, College of History

Harrison, Carol
French Science, Australian Nature: Natural History and the Baudin Expedition, 1801-1804 - 13550-KA01
Sponsor: USC Research Foundation
Co-PI:

Lekan, Thomas
Sublime Consumption: German Nature Tourism and the Mass Production of Landscape - 13550-KA02
Sponsor: USC Research Foundation
Co-PI:

Languages, Literatures, and Cultures, Department of

Marsh, Steven
Tracks, Traces and Commonplaces: Spanish Popular Cinema from Luis Buñuel to Pedro Almodóvar - 12610-KA07
Sponsor: USC Research Foundation
Co-PI:

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

Woodward, Douglas
Filling the Knowledge Gap: An Economic and Financial Survey of Mexican Migrants in South Carolina - 21200-KA10
Sponsor: USC Research Foundation
Co-PI:
Engineering & Information Technology, College of

Civil & Environmental Engineering

Haselbach, Liv

Sustainable Construction at the University of South Carolina
A Comparative Analysis
- 15520-KA06

Sponsor: USC Research Foundation
Co-PI:

Music, School of

Music, School of

Bain, Reginald

xMUSE @ USC Interactive Sonification Research Project - 12550-KA04

Sponsor: USC Research Foundation
Co-PI:

Barnes, Gail

An Online Community for Orchestra and String Teachers - 12550-KA07

Sponsor: USC Research Foundation
Co-PI:

Public Health, Arnold School of

Prevention Research Center

Granner, Michelle

Sedentary and Physical Activity Behavior in Women: Associations with Eating Behavior - 11570-KA13

Sponsor: USC Research Foundation
Co-PI:

USC Aiken

USC Aiken

Chen, Tieling

A Wavelet Transformation Based Approach to Object Delineation and Object Extraction in High Resolution Aerial Images - 17110-KA09

Sponsor: USC Research Foundation
Co-PI:
Dyer, Andrew

*The reproductive biology of Cyperus Rotundus and C. Esculentus* - 17110-KA10

**Sponsor:** USC Research Foundation

**Co-PI:**

Fadimba, Koffi

*Error Analysis and Numerical Solutions for a Backward Euler Scheme for a class of Porous Medium Equations* - 17110-KA11

**Sponsor:** USC Research Foundation

**Co-PI:**

Leverette, Chad

*Investigation of GLAD Substrates for Surface-Enhanced Infrared Absorption (SEIRA) Spectroscopy* - 17110-KA12

**Sponsor:** USC Research Foundation

**Co-PI:**

USC Beaufort

**USC Beaufort**

Pearce, Colin

*The Writings of George Frederick Holmes* - 17220-KA02

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USC Sumter

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Reisenauer, Eric

*Of Arms and Armageddon: Millennialism and Modernity in Great War Britain, 1914-1918* - 17440-KA02

**Sponsor:** USC Research Foundation

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USC Upstate

**USC Upstate**

van Delden, Sebastian

*Robotics Research at USC Upstate* - 17880-KA05

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**Co-PI:**
RPS Category III

Arts and Sciences, College of

Art

Hunter, Dawn

Spectacle Spetacular: A Series of Acrylic Paintings  -  12510-KA10

Sponsor: USC Research Foundation
Co-PI:

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Co-PI:

laffoon, Jennifer

"Home Sweet Home"  -  12510-KA09

Sponsor: USC Research Foundation
Co-PI:

nace, stephanie

Southeast Association for Book Arts Traveling Exhibition Catalogue  -  12510-KA08

Sponsor: USC Research Foundation
Co-PI: nace, stephanie

Voros, David

Visualizing Dante  -  12510-KA11

Sponsor: USC Research Foundation
Co-PI:

Music, School of

Music, School of

Lomazov, Marina

Compact Disk Recording  -  12550-KA03

Sponsor: USC Research Foundation
Co-PI:

Nagel, Rebecca

CD recording project  -  12550-KA05

Sponsor: USC Research Foundation
Co-PI:

Terwilliger, William

CD Recording - Chamber Music of Paul Schoenfield  -  12550-KA06

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