Arts and Sciences, College of

**Anthropology**

*Kelly, Kenneth*

- **MGS:** Comparative Archaeological Study of Enslaved Persons and Planter Cultures in Martinique -- 13590-KA10
  
  **Sponsor:** USC Research Foundation

*Simmons, David*

- **MGS:** The Use and Function of Botanicas in Santiago, Dominican Republic -- 13590-KA08
  
  **Sponsor:** USC Research Foundation

*Wagner, Gail*

- **MGS:** Botanical Knowledge Among South Carolina Elementary School Students -- 13590-KA07
  
  **Sponsor:** USC Research Foundation

**Baruch Institute**

*Stancyk, Stephen*

- **MGS:** Effects of Cadmium on Amphipholis gracillima Regeneration -- 21600-KA29
  
  **Sponsor:** USC Research Foundation

**Biological Sciences**

*Ely, Berten*

- **MGS:** Survey of Genetic Variation in a Region Associated with Aggressive Cancer -- 13010-KA29
  
  **Sponsor:** USC Research Foundation

*Hilbish, Thomas*

- **MGS:** Sublethal Stress Response to Climate Variation in Marine Ecosystems -- 13010-KA33
  
  **Sponsor:** USC Research Foundation

*Marton, Laszlo*

- **MGS:** Characterization of Dehalogenation Activity in Arundo donax -- 13010-KA34
  
  **Sponsor:** USC Research Foundation

*Matesic, Lydia*

- **MGS:** Construction of a Conditional Knockout Vector for Wwp1 -- 13010-KA32
  
  **Sponsor:** USC Research Foundation
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Foreign Languages

Marinelli, Patti

MGS: Authentic Musical Works in the College-level Beginning Spanish Program: Creating Communication, Cultural and Cross-disciplinary Learning Activities -- 12540-KA00

Sponsor: USC Research Foundation

MGS: Authentic Musical Works in the College-level Beginning Spanish Program: Creating Communication, Cultural and Cross-disciplinary Learning Activities -- 12610-KA10

Sponsor: USC Research Foundation

Geography

Kupfer, John

MGS: The Role of Soils in Shaping the Course of Secondary Succession on Logged Areas at Congaree National Park -- 13540-KA12

Sponsor: USC Research Foundation

Geological Sciences

Barbeau, David

MGS: Developing a Method to Analyze Calcarenite Provenance Using Stable Isotope Ratios -- 13040-KA16

Sponsor: USC Research Foundation

MGS: U-Pb Detrital-zircon Geochronology of Middle Paleozoic Strata, Appalachian Basin, USA: Testing Models for the Onset of the Alleghanian Orogeny -- 13040-KA18

Sponsor: USC Research Foundation

Benitez-Nelson, Claudia

MGS: Silica Dissolution Effects on Opal Export in Marine Systems -- 13040-KA21

Sponsor: USC Research Foundation

Knapp, James

MGS: Identification of Active Faults in the Ene Basin, Peru Through Earthquake Recording and Analysis -- 13040-KA19

Sponsor: USC Research Foundation

Voulgaris, George

MGS: Backscatter of Acoustical Waves by Natural Sediment -- 13040-KA20

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Yogodzinski, Gene
MGS: Physical Conditions in the Upper Mantle Beneath Kharchinsky Volcano, Kamchatka  --  13040-KA22
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Atkinson, Ronald
MGS: Street Vending in Two African Cities: A Comparative Analysis of Accra, Ghana and Nairobi, Kenya  --  13550-KA11
Sponsor: USC Research Foundation

Littlefield, Valinda
MGS: Benjamin Franklin Randolph and South Carolina's Unfinished Revolution  --  13550-KA10
Sponsor: USC Research Foundation

Weyeneth, Robert
MGS: Revitalization of a Main Street Icon: Restoration Proposal for the State/Fox Theater  --  13550-KA09
Sponsor: USC Research Foundation

Rosenfeld, Carl
MGS: Neutrino Induced Coherent Neutral Pion Production in Neutral Current Interactions  --  13070-KA08
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Strauch, Steffen
MGS: Study of Instrumental Asymmetries in the Focal-Plane Polarimeter at Jefferson Lab Hall A  --  13070-KA09
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Tedeschi, David
MGS: Adaptive Radiotherapy  --  13070-KA10
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Lyne, Mona
MGS: Clientelism and the Strength of Democratic Institutions: A Study of Pre and Post Pinochet Chile  --  13570-KA08
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Sponsored Awards Management (SAM)
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Tompkins, Mark
MGS: The Role of Blackboard in Increasing Learning for Undergraduates and Low Income Job Seeker -- 13570-KA07
Sponsor: USC Research Foundation

Psychology

Flory, Kate
MGS: Effects of Parent-Child Relationships on Smoking Behavior Among Adolescents with ADHD or Depression -- 13580-KA33
Sponsor: USC Research Foundation

MGS: Anxiety As a Potential Contributor to Adolescent Smoking -- 13580-KA39
Sponsor: USC Research Foundation

Harrod, Steven
MGS: Does Lobeline Attenuate the Psychostimulant Effects of Methamphetamine in Adolescent Male and Female Rats? -- 13580-KA38
Sponsor: USC Research Foundation

Kelly, Sandra
MGS: Social Anticipation in an Animal Model of Autism -- 13580-KA31
Sponsor: USC Research Foundation

Mactutus, Charles
MGS: Attentional Disorders in a Preclinical "crack baby" Model: Role of the Noradrenergic System -- 13580-KA34
Sponsor: USC Research Foundation

Ogletree Cusaac, Kendra
MGS: The Influences of Knowledge, Attitude, and Self Esteem on the Sexual Practices of Transitioning Undergraduate Students -- 13580-KA37
Sponsor: USC Research Foundation

Wilson, Dawn
MGS: Sex Differences in Positive Strategies for Increasing Physical Activity in Adolescents -- 13580-KA32
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Business, Moore School of

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

MGS: Wal-Mart, The Trade Deficit, and Regional Competitiveness in the Pearl River Region of China -- 21200-KA11

Sponsor: USC Research Foundation

3,000

Engineering & Computing, College of

Chemical Engineering
Jabbari, Esmaiel

MGS: Targeted Delivery to Tumor Cells with Taxol-Entrapped Nanospheres -- 15510-KA29

Sponsor: USC Research Foundation

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Moss, Melissa

MGS: Treating the Cause, Not the Symptoms: Inhibition of Amyloid-beta Protein Aggregation in Alzheimer's Disease -- 15510-KA30

Sponsor: USC Research Foundation

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Weidner, John

MGS: The Effect of Flow Shear Stress on Cardiac Valve Development -- 15510-KA28

Sponsor: USC Research Foundation

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Civil & Environmental Engineering
Nichols, Andrew

MGS: Exploring the Use of Wind Turbines to Generate Energy from Highway Traffic -- 15520-KA15

Sponsor: USC Research Foundation

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Pierce, Charles

MGS: Soil Stabilization Using Cement Kiln Dust -- 15520-KA13

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Computer Science & Engineering
Bakos, Jason

MGS: Efficient Router Designs for Special-Purpose Distributed Processing Systems -- 15590-KA07

Sponsor: USC Research Foundation

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Wang, Song
MGS: Balancing Landmark-Correspondence Error and Shape-Representation Error in 2D Landmark-Based Shape Correspondence  --  15590-KA06

Sponsor: USC Research Foundation

Electrical Engineering
Sudarshan, Tangali
MGS: Defect Correlation of Schottky Based SiC Devices Using New Form of KOH Etching  --  15530-KA04

Sponsor: USC Research Foundation

Mechanical Engineering
Voglewede, Philip
MGS: Computer Modeling of Human Gait for Improved Prosthetic Design and Analysis  --  15540-KA13

Sponsor: USC Research Foundation

Mass Communications & Information Studies, College of

Journalism & Mass Communications, School of
Duhe, Sonya
MGS: Media Coverage of Avian Flu: A Domestic and International Examination  --  15600-KA04

Sponsor: USC Research Foundation

Medicine, School of

Cell & Developmental Biology & Anatomy
Brower, Gregory
MGS: Mechanisms of Mast Cell-Mediated Cardiac Fibrosis  --  18020-KA17

Sponsor: USC Research Foundation

Forman, Mary
MGS: Do Cardiac Mast Cells Undergo Apoptosis in an Experimental Model of Heart Failure?  --  18020-KA14

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Sponsored Awards Management (SAM)
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Lessner, Susan
MGS: Measuring Biomechanics of Mouse Carotid Arteries Using Fluorescent Microspheres and 3D-Digital Image Correlation -- 18020-KA15
Sponsor: USC Research Foundation
3,000

MGS: Tracking Functional Capillary Development in Mouse Atherosclerotic Lesions -- 18020-KA16
Sponsor: USC Research Foundation
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Pathology & Microbiology
McKallip, Robert
MGS: The Nature and Role of CD44 Isoforms in the Interactions Between Melanoma and Endothelial Cells -- 13010-KA37
Sponsor: USC Research Foundation
2,992

MGS: The Nature and Role of DC44 Isoforms in the Interactions Between Melanoma and Endothelial Cells -- 18060-KA09
Sponsor: USC Research Foundation
2,992

Pharmacology, Physiology & Neuroscience
Mott, David
MGS: Mechanisms of Epilepsy -- 18080-KA17
Sponsor: USC Research Foundation
3,000

Music, School of
Music, School of
Bain, Reginald
MGS: Interactive Computer Music and Cellular Automata -- 12550-KA14
Sponsor: USC Research Foundation
3,000

Barnes, Gail
MGS: Community for Orchestra and String Teachers -- 12550-KA15
Sponsor: USC Research Foundation
3,000

Jesselson, Robert
MGS: An Exploration of International Cello Technique -- 12550-KA19
Sponsor: USC Research Foundation
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**Fiscal Year 2007**

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Senior & Regional Campuses

Regional Campuses & Continuing Education

Oswald, Barbara

MGS: Neural Activity in the Prefrontal Cortex During Response Expression and Inhibition -- 17100-KA01
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MGS: The Effects of Temporary Lesions to the Medial Prefrontal Cortex on Learning -- 17100-KA02
Sponsor: USC Research Foundation

USC Aiken

Callen, Edward

MGS: Stimulus Generalization and Context Effects in the Reinstatement of Fear -- 17110-KA14
Sponsor: USC Research Foundation

Hampton, Jill

MGS: Jim Sheridan and Irish Film -- 17110-KA16
Sponsor: USC Research Foundation

Harmon, Sarah

MGS: Contributions of Total Petroleum Hydrocarbons to Non-point Source Runoff from the USCA Campus -- 17110-KA18
Sponsor: USC Research Foundation

Morehouse, Maggi

MGS: Music Production in Post-Katrina New Orleans -- 17110-KA17
Sponsor: USC Research Foundation

USC Sumter

Fernandes, Pearl

MGS: Effect of a Waste Water Treatment Plant on Biological Indicators in the Pocotaligo Swamp -- 17440-KA03
Sponsor: USC Research Foundation
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Fiscal Year 2007

Report Total: $229,518