

SPONSORED PROGRAMS and RESEARCH
Research & Productive Scholarship Awards - FY2004

Education, College of

Educational Psychology

Brown, William

** Teacher-Implemented Interventions to Enhance Young Children's Physical Activity in Preschools - (15240-KA03)*

\$10,000

Sponsor: USC Research Foundation

Engineering & Information Technology, College of

Chemical Engineering

Bender, Jonathan

** Nanotribology of Ultra-high Molecular Weight Polyethylene - (15510-KA11)*

\$14,000

Sponsor: USC Research Foundation

Civil & Environmental Engineering

Harrison, Ken

** Market Mechanisms and Incentives for Water Quality Management Under Uncertainty - (15520-KA02)*

\$14,000

Sponsor: USC Research Foundation

Computer Science & Engineering

Wang, Song

** FRMI Image Registration with Parallel Computing - (15590-KA00)*

\$14,000

Sponsor: USC Research Foundation

Co-PI: Rose, John; Rorden, Christopher

Mechanical Engineering

Bischoff, Jeffrey

** Axially Asymmetric Indentation for the Mechanical Characterization of Bone - (15540-KA05)*

\$12,000

Sponsor: USC Research Foundation

Darabi, Jeff

** Separation of DNA Molecules using Dielectrophoretic Forces - (15540-KA06)*

\$14,000

Sponsor: USC Research Foundation

Liberal Arts, College of

Anthropology

Cahue, Laura

* *A Pilot Study to Assess Skeletal and Biomolecular Evidence of Pre-Columbian Tuberculosis in West Mexico - (13590-KA00)*

\$10,500

Sponsor: USC Research Foundation

Art

Barth, Don

* *Virtual Interactive Landscapes - (12510-KA02)*

\$40,000

Sponsor: USC Research Foundation

Hanclosky, Walt

* *Development of Cranial Nerve Anatomy Interactive Instructional Materials for Medical School Students and General Audiences - (12510-KA04)*

\$6,290

Sponsor: USC Research Foundation

Kissel, Laura

* *Cabin Field: A Documentary Film - (12510-KA03)*

\$4,000

Sponsor: USC Research Foundation

Streible, Dan

* *International Film Preservation Partnerships - (12510-KA05)*

\$10,200

Sponsor: USC Research Foundation

English

Johnson, Dianne

* *Beautiful by Design: The Art of African American Children's Literature -*

\$5,000

Sponsor: USC Research Foundation

Philosophy

Bueno, Otavio

* *Mathematics and Fiction - (12560-KA01)*

\$6,000

Sponsor: USC Research Foundation

Political Science

Shaw, Todd

- * *War on Terrorism Study Dialogue Study - (13570-KA02)* **\$5,638**
Sponsor: USC Research Foundation

Psychology

Kelly, Sandra

- * *Cortical Organization and the Limits of Human Potential - (13580-KA03)* **\$11,000**
Sponsor: USC Research Foundation
Co-PI: **Morris, Robin**

Shinsky, Jeanne

- * *Infants' Search for Objects Hidden by Darkness versus Covers - (13580-KA05)* **\$12,000**
Sponsor: USC Research Foundation

Swan, Suzanne

- * *The Mental Health of Women who use Violence in Intimate Relationships - (13580-KA04)* **\$11,000**
Sponsor: USC Research Foundation

Theatre, Speech & Dance

Barker, Sarah

- * *The Bacchae - (12580-KA00)* **\$6,000**
Sponsor: USC Research Foundation
Co-PI: **Tobolski, Erica**

Music, School of

Music, School of

Edwards, Bradley

- * *Comission and Premiere of a New Composition for Solo Trombone and Plano - (12550-KA00)* **\$3,500**
Sponsor: USC Research Foundation

Leaman, Clifford

- * *Compact Disc Recording - (12550-KA01)* **\$6,000**
Sponsor: USC Research Foundation

Strong, Willie

- * *New Narratives for African-American Folk Music - (12550-KA02)* **\$6,000**
Sponsor: USC Research Foundation

Pharmacy, College of

Basic Pharmaceutical Sciences

Smith, Eric

* *Skin Penetration retarders for Sunscreen Formulations - (11110-KA05)*

\$14,000

Sponsor: USC Research Foundation

Public Health, Arnold School of

Communication Sciences & Disorders

Deliyski, Dimitar

* *Establishing Normative Data for Quantitative Assessment of Laryngeal Function via High-Speed Videoendoscopy - (11560-KA01)*

\$13,000

Sponsor: USC Research Foundation

Exercise Science

Youngstedt, Shawn

* *Using Bright Light Combined with Exercise to Shift the Human Circadian System - (11530-KA10)*

\$14,000

Sponsor: USC Research Foundation

Science and Mathematics, College of

Baruch Institute

Staton, Joseph

* *Uncovering Molecular Mechanisms in Toxicological Models: The Application of Serial Analysis of Gene Expression to the Grass Shrimp - (17220-KA01)*

\$10,500

Sponsor: USC Research Foundation

Biological Sciences

Dixon, Dan

* *Role of HuR in Gastrointestinal Neoplasia - (13010-KA09)*

\$14,000

Sponsor: USC Research Foundation

Chemistry & Biochemistry

Wang, Qian

* *Diversity-Oriented Combinatorial Synthesis to Construct New Drug Candidates Pool - (13020-KA09)*

\$14,000

Sponsor: USC Research Foundation

Geological Sciences

Knapp, Camelia

- * *Submarine Landslide of the Caspian Sea: Evidence for Seafloor Deformation in Response to Climatically Driven Hydrate Dissociation - (13040-KA08)* **\$14,000**
Sponsor: USC Research Foundation

Styles, Richard

- * *Measuring Fluid Pressure Above and Below the Sediment-Water Interface for a Rippled Bed - (13040-KA06)* **\$11,500**
Sponsor: USC Research Foundation

Talwani, Pradeep

- * *Seismogenesis of Intraplate Earthquakes - (13040-KA05)* **\$6,630**
Sponsor: USC Research Foundation

Yogodzinski, Gene

- * *A Preliminary Study of Volcanic Rock Geochemistry at Little Sitkin Island, Western Aleutians, Alaska - (13040-KA07)* **\$12,800**
Sponsor: USC Research Foundation

Physics & Astronomy

Prozorov, Ruslan

- * *Development of Novel Functional Nanocomposites - (13070-KA02)* **\$14,000**
Sponsor: USC Research Foundation

Senior and Regional Campuses

USC Aiken

Li, Rao

- * *Hamiltonian Properties of Claw-Free Graphs or Super-Claw-Free Graphs - (17110-KA07)* **\$4,000**
Sponsor: USC Research Foundation

Lintner, Timothy

- * *The Perceptual and Practical Status of K-5 Social Studies Instruction in South Carolina - (17110-KA05)* **\$3,229**
Sponsor: USC Research Foundation

Senn, Gary

- * *Production of a Planetarium Show - (17110-KA06)* **\$3,922**
Sponsor: USC Research Foundation

USC Spartanburg

van Delden, Sebastian

* *Linking a Syntactic Partial Parse to Semantic Verb Predicates - (17880-KA03)*

Sponsor: USC Research Foundation

\$6,100

USC Sumter

Bellanca, Mary Ellen

* *Days of Green Discovery: Writing Nature in Nineteenth-Century British Diaries and Journal - (17440-KA01)*

Sponsor: USC Research Foundation

\$6,800

Social Work, College of

Social Work, College of

Miller-Cribbs, Julie

* *The Contexts of Marriage: Examining Family Form, Race and Child Well-being among South Carolina Families on Welfare - (15900-KA02)*

Sponsor: USC Research Foundation

Co-PI: **Fram, Maryah**

\$14,000

Grand Total

\$397,609