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Office of Research & Engagement

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University of Tennessee Office of Research

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Office of Research »

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Awards for July 16 - 31, 2011

NOTES: Because of cross-program anomalies, orthographic details may be inconsistent and some titles may be truncated. This data set was not distributed in a printed format, therefore no printable PDF version is available.

COLLEGE OF ARTS & SCIENCES

Investigator	Title	Sponsor	Amount
Allison, David	Destroying Pathogenic Bacteria Using Targeted-Nanoparticles	UT-Battelle – ORNL	\$42,029
Becker, Jeffrey	Peptide-Cell Interactions in <i>Saccharomyces cerevisiae</i>	National Institutes of Health	\$660,495
Breinig, Marianne	UT Research Assistant - Accelerator Physics	UT-Battelle – ORNL	\$13,479
Burr, Devon	Aeolian Saltation under Titan Conditions: Wind Tunnel Experiments and Integrated Numerical	NASA - Headquarters	\$127,492
Cervone, Thomas; Alley, David	Arts & Heritage Proposal	Arts Cultural Alliance of Greater Knoxville	\$10,200
Chaffin, James	The Correspondence of James K. Polk	National Historical Publications and Records Commission	\$70,280
Classen, Aimee	Collaborative Research: Fungal Responses to Warming Will Shape Decomposition in Eastern	UT-Battelle – ORNL	\$28,114
Dai, Sheng	Collaborative: Investigation of Electrocatalytic Trends on Core/Shell Structured	National Science Foundation	\$30,000
DeCorse, Elizabeth	Revision of National Register Nomination for Maymead Farm	Maymead Farms, Inc	\$86,111
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis	Risk Integration Support for FY 2011	DOE - Bechtel Jacobs Company, LLC	\$507
Feigerle, Charles	Ultrafast Laser Spectroscopy of Surfaces	UT-Battelle – ORNL	\$17,796
Grzywacz, Robert; Bingham, Carrol; Grzywacz-Jones, Katherine; Riedinger, Leo	Nuclear Spectroscopy Studies with Radioactive and Stable Ion Beams	U.S. Department of Energy	\$420,000
Horn, Sally	Collaborative Research: Late Quaternary Paleoenvironments of CuatroCiénegas	National Science Foundation	\$229,414
Kabalka, George	Subcellular/Cell Cycle Born-Delivery Studies of Unnatural Amino Acids by SIMS	Cornell University	\$46,250

Kilbey, Sidney	Understanding In-Situ Chemical Transformations of Polymer Brush-Modified Surface	National Science Foundation	\$300,000
Mays, Jimmy	Polymer-Lithium Salt Composites	UT-Battelle – ORNL	\$24,500
McSween, Harry	Participation in DAWN Science Team	Regents of the University of California, Los Angeles	\$35,935
Musfeldt, Janice	Spectroscopy of molecule-based materials in high magnetic fields	National Science Foundation	\$417,033
Nazarewicz, Witold	FUSTIPEN - France-US Theory Institute for Physics with Exotic Nuclei	U.S. Department of Energy	\$35,000
Nazarewicz, Witold	Microscopic Description of the Fission Process	National Nuclear Security Administration	\$150,000
Peterson, Cynthia; Dongarra, Jack; Langston, Michael	IGERT for Scalable Computing and Leading Edge Innovative Technologies (SCALE-IT) for Biology	National Science Foundation	\$599,880
Richter, Stefan; Sundberg, Carl	Operator Theory and Function Theory for the Unit Ball of C^d	National Science Foundation	\$92,342
Taylor, Lawrence; Liu, Yang; Thaisen, Kevin	Moon Mineralogy Mapper - Science Advisory Team	Brown University - Office of Sponsored Projects	\$49,533
Thompson, James	Formation and Properties of Materials for Advanced Energy Technologies	UT-Battelle – ORNL	\$80,864
Weitering, Hanno	Investigations of Hydrogen Storage in Metallic Thin Films	UT-Battelle – ORNL	\$45,467
Xue, Ziling	Reactions of Transition Metal Complexes with Oxygen and Water	National Science Foundation	\$280,000

COLLEGE OF BUSINESS ADMINISTRATION

Investigator	Title	Sponsor	Amount
Fox, William	Postsecondary Metrics	HCM Strategists, LLC	\$20,000
Fox, William	Survey of clients' attitudes about the TennCare CHOICES Long-Term Care Program	State of Tennessee	\$184,234

COLLEGE OF COMMUNICATION AND INFORMATION

Investigator	Title	Sponsor	Amount
Allard, Suzanne; Tenopir, Carol	UIUC IMLS Proposal Subcontract	University of Illinois at Urbana - Champaign	\$159,697
Suttles, Barbara	Genome Management Information System - Information Specialist II	UT-Battelle – ORNL	\$20,000

COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES

Investigator	Title	Sponsor	Amount
Mulligan, Geraldine	DRS/CIETAT	Tennessee Department of Human Services	\$801,972

COLLEGE OF ENGINEERING

Investigator	Title	Sponsor	Amount
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Bennett, Richard; Guffey, Stanley; Olsen, Taimi; Schleter, William	Research Initiation Grant: Increasing Student Engagement in Homework	National Science Foundation	\$149,867
Bray, Larry	2012 Ohio River Basin GLMRIS Study	Marshall University Research Corp	\$276,614
Dongarra, Jack; Kurzak, Jakub; Luszczek, Piotr	SHF - Small: Parallel Unified Linear algebra with Systolic ARrays (PULSAR)	National Science Foundation	\$499,996
Duscher, Gerd	High Resolution Transmission Electron Microscopy of Metastable Nanomaterials	UT-Battelle – ORNL	\$57,922
Hall, Howard	Flowsheet Analysis	UT-Battelle – ORNL	\$9,920
Keffer, David	A Unified Computational, Theoretical, and Experimental Investigation of Proton Transport through the Electrode/Electrolyte Interface of Fuel Cell	U.S. Department of Energy	\$225,000
Kihm, Kenneth	Multi-Scale Energy Transport in High Temperature Heat Pipes for Leading Edges	Lockheed Martin	\$120,000
Komistek, Richard; Sharma, Adrija	In vivo mathematical modeling of the human knee joint for subjects have a JMM	Japan Medical Materials Corp	\$178,700
Li, Fangxing	GPU-based matrix condensation with sparse matrix technique for power system	National Science Foundation	\$75,084
Li, Fangxing	SPIDERS: Smart Power Infrastructure Demonstration for Energy Reliability	UT-Battelle – ORNL	\$15,000
Li, Husheng	NeTS - Small: Networking over Random Fields: A Statistical Model for Cognitive	National Science Foundation	\$296,685
McHargue, Carl; Meisner, Roberta	Materials Characterization	UT-Battelle – ORNL	\$39,806
McHargue, Carl; Vasudevamurthy, Gokul	Development of Zirconium Carbide for Gen IV Nuclear Reactors	UT-Battelle – ORNL	\$20,869
Mench, Matthew	Studies of Regenerative Fuel Cell Architecture	UT-Battelle – ORNL	\$7,500
Nguyen, Ke	Engine Friction	UT-Battelle – ORNL	\$28,130
Paul, Nathanael; Poore, Jesse	Towards Trustworthy Insulin Pump Systems and Artificial Pancreases	University of Washington	\$34,970
Penumadu, Dayakar	Microstructural Characterization of Aluminum Damage Due to Fires	Office Of Naval Research	\$100,000
Plank, James	CSR - Small: Developing and Implementing High Performance Erasure Codes	National Science Foundation	\$16,000
Ruggles, Arthur	HFIR Target Assessments	UT-Battelle – ORNL	\$17,000
Schwartz, John	CESU - Improve the Park's Understanding of its Natural Resources and Natural Processes	U.S. Dept. of Interior - Great Smoky Mountains National Park	\$115,000

Schwartz, John	CESU - Biological Effects of Acidic Deposition on Aquatic Macroinvertebrates	U.S. Dept. of Interior - Great Smoky Mountains National Park	\$25,000
Zawodzinski, Thomas	Extended, Continuous Platinum Nanostructures in Thick, Dispersed Electrodes	National Renewable Energy Laboratory	\$100,000

COLLEGE OF NURSING

Investigator	Title	Sponsor	Amount
Speraw, Susan	Global/Disaster Nursing: Homeland Security Nursing Refined	DHHS - Administration for Children and Families	\$257,845

SOCIAL WORK

Investigator	Title	Sponsor	Amount
Campbell, Paul	CSSEP Knox 6th District FY12	Tennessee Department of Human Services	\$227,072

CAMPUS CENTERS & INSTITUTES

Investigator	Title	Sponsor	Amount
Bell, Larry	Sigma Space - NASA/LBA	Sigma Space Corporation	\$11,414
Parker, John	DOE - ERSP FRC Multiscale Investigations of Immobilization and Natural Attenuation	UT-Battelle - ORNL	\$27,000
Pfiffner, Susan; Layton, Alice; Sanseverino, John	The Impact of Global Warming on the Carbon Cycle of Arctic Permafrost	Princeton University	\$370,221
Wilt, Catherine	Basic Ordering Agreement	TerraChoice Environmental Marketing	\$21,801