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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 Sacchoromyces cerevisiae	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 CuatroCienegas	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 he 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

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