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Office of Research & Engagement

3-30-2011

Office of Research, Awards & Recognition, March 30, 2011

University of Tennessee Office of Research

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Recommended Citation

Office of Research, University of Tennessee, "Office of Research, Awards & Recognition, March 30, 2011" (2011). *Awards and Recognitions*.

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AWARDS AND RECOGNITIONS

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MARCH 30, 2011

AWARDS FOR FEBRUARY 24–MARCH 25, 2011

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Breinig, Marianne	Temperature Dependent Chemical Sputtering of Carbon	DOE - UT-Battelle - ORNL	\$18,000
Butler, Paul	Construction of SANS Portion of DANSE Software Project	California Inst. of Technology	\$88,241
Champion, Lynn	Supplementary Funding for the Tennessee Junior Science	Air Force Assoc. Foundation	\$2,000
Dadmun, Mark	Support of Postdoc/Grad Student for Dr. Mark Dadmun	DOE - UT-Battelle - ORNL	\$55,000
Dai, Pengcheng	Neutron Scattering Studies of Spin and Lattice Dynamics	National Science Foundation	\$7,500
DeCorse, Elizabeth; Angst, Michael	An inventory of Significant Prehistoric Archaeological Sites	Tennessee Valley Authority	\$199,968
Dolislager, Fredrick; Clauberg, Martin; Gross, Louis; Stewart, Debra	ETTP Zone 1 ROD Amendment Support for FY 2010 WR62 Revision 000	DOE - Bechtel Jacobs Company, LLC	\$5,000
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis	Risk Integration Support for FY 2011	DOE - Bechtel Jacobs Company, LLC	\$3,536
Dolislager, Fredrick; Gross, Louis	ETTP Zone 1 ROD Amendment Support for FY 2010 WR62 Revision 000	DOE - Bechtel Jacobs Company, LLC	\$5,353
Fitzpatrick, Benjamin	Assessment of the Prevalence of Ranavirus in Northern Water Snakes	TN Herpetological Society	\$500
Fordyce, James	Genomic Outcomes of Repeated Hybrid Speciation	National Science Foundation	\$64,402
Greene, Geoffrey	Experimental Weak Interactions With Pulsed and Continuous Cold Neutrons	DOE - US Dept. of Energy	\$255,000
Grissino-Mayer, Henri	An International Professional-Development Workshop	National Science Foundation	\$8,187
Gross, Louis	EPA Risk - Environment Assessment and Decision Analysis	DOE - UT-Battelle - ORNL	\$150,000
Harden, Carol	Technical Support for Regional Vulnerability Assessment	Oneida Total Integrated Ent.	\$27,855
Hayes, Daniel	Diagnosis and Attribution of the Aontemporary North American Terrestrial CO ₂	NASA	\$88,576
Hollenbach, Kandace	Paleoethnobotanical Analysis of Jackson Landing (22HA515)	East Carolina University	\$5,000
Klippel, Walter	Faunal Analyses of the Nonhuman Vertebrate Remains	SWCA Environmental	\$10,000
Matheny, Patrick	A Monograph of the Family Clavariaceae (Agaricales)	Puget Sound Mycological Soc.	\$1,945
Matheny, Patrick	A Field Guide to Mushrooms of the Great Smokies: Preliminary Data Acquisition	Great Smoky Mountains Conservation Association	\$5,000
Mays, Jimmy	Polymer-Based Multicomponent Materials	DOE - UT-Battelle - ORNL	\$30,000
Mays, Jimmy	Stimuli Responsive Self-Assembled Single-Walled Carbon Nanotube Gels	DOD - Department of the Army	\$50,000
Mays, Jimmy	Polymer Based Multi-component Materials	DOE - UT-Battelle - ORNL	\$23,878
McSween, Harry	Mars Surveyor	Cornell University	\$5,751
McSween, Harry	Meteorite Petrogenesis	NASA	\$50,000
Passian, Ali	Standoff Detection and Imaging of Chemical	DOE - UT-Battelle - ORNL	\$57,506
Petersen, Ronald; Hughes, Karen	The Mycology Collections at TENN: Rehousing, Digitization and Management	National Science Foundation	\$7,500
Prosser, Rebecca	Ethanol Effects on the Mammalian Circadian Clock	DHHS	\$305,654
Small, Pamela	Transmission of Mycobacterium Ulcerans	UBS Optimus Foundation	\$8,190
Sparer, Tim	ARRA: Viral Chemokine Alteration of Neutrophil Functions	DHHS	\$275,629
Taylor, Lawrence	The Moon as Cornerstone to the Terrestrial Planets: The Formative Years	Brown University	\$24,000
Thompson, James	Formation and Properties of Materials for Advanced Energy Technologies	DOE - UT-Battelle - ORNL	\$50,843
Vonarnim, Albrecht	Animal Care for Systems Genetics	DOE - UT-Battelle - ORNL	\$133,181
Weitering, Hanno	Investigations of Hydrogen Storage in Metallic Thin Films	DOE - UT-Battelle - ORNL	\$34,100
Zhu, Wenguang	Turning Chalcopyrites into Dilute Magnetic Topological Insulators (DMTI)	DOE - UT-Battelle - ORNL	\$29,167
COLLEGE OF BUSINESS ADMINISTRATION			
Hutchison, Joan	Developing Shared Understanding through Knowledge Management	DOD - Department of the Navy	\$32,500
COLLEGE OF COMMUNICATION & INFORMATION			
Suttles, Barbara	Support for the Genome Management Information System-UT-Battelle	DOE - UT-Battelle - ORNL	\$7,500
Suttles, Barbara	Support For Computational Science and Engineering Division (Nelson)	DOE - UT-Battelle - ORNL	\$268,500
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Coleman-Lopatic, Marion	AT (Assistive Technology) at UT	TN Department of Education	\$5,000
Erwin, Paul	Public Health Services and Systems Research Coordinating Center	University of Kentucky	\$25,805
Mulligan, Geraldine; White, Connie	Adult Education Professional Development and Technical Assistance	TN Department of Labor and Workforce Development	\$408,738
Zemel, Michael	Synergistic Effects of Resveratrol with Leucine or Leucine Metabolites	Nutraceutical Discoveries, Inc.	\$146,485
COLLEGE OF ENGINEERING			
Abidi, M.	Multisensor Data Fusion	Sandia National Laboratories	\$25,311
Arimilli, Rao; Ekici, Kivanc	Calc. Rev. & Development of Improved COMSOL-Based 2-D Thermal	DOE - UT-Battelle - ORNL	\$26,000

AWARDS FOR FEBRUARY 24–MARCH 25, 2011 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Blalock, Benjamin	Investigation of Design and Post-Process Trimming of Sub-1 V Bandgap	Washington State University	\$10,000
Bosilca, George	G8 Initiative: Collaborative Research: ECS: Enabling Climate Simulation	National Science Foundation	\$49,244
Clarke, David	Cross-Walk Tables Assistance	DOE - UT-Battelle - ORNL	\$19,423
Clarke, David	Purchase Equipment and Supplies to Support TTAP	TN Dept. of Transportation	\$43,470
Davis, Wayne; Wilkinson, Jeffrey	Tennessee Department of Commerce & Insurance Board of Architectural and Engineers	TN Dept. of Commerce & Insurance	\$83,654
Djouadi, Mohamed	Development of Energy Data Processing Tools	DOE - UT-Battelle - ORNL	\$15,389
Dongarra, Jack	ORNL Joint Research Support for HPC Applications	DOE - UT-Battelle - ORNL	\$59,184
Dongarra, Jack	Architecture-Aware Algorithms for Scalable Performance and Resilience	DOE - Office of Science	\$160,000
Dongarra, Jack; Luszczek, Piotr	Supporting and Enhancing the HPC Challenge Benchmark for Hybrid-Multicore Computing	National Science Foundation	\$400,000
Dunne, William; Hamel, William; Hines, J; Khomami, Bamin	ARRA: ARI-R2: Sustainable Energy Laboratory	National Science Foundation	\$137,234
Everett, Jerry	Law Enforcement Liaison Program	TN Dept. of Transportation	\$1,106,854
Gregor, Jens	Neutron Imaging Software	DOE - UT-Battelle - ORNL	\$28,647
Hayward, Jason	Glasses for Detection of Penetrating Radiation via the Cherenkov Effect	DOD - Department of Defense	\$348,799
Hayward, Jason	Characterization of gamma-ray imager for combined gamma-ray	DOE - UT-Battelle - ORNL	\$8,000
Hines, J.	Equipment Health Monitoring via Transient Methods: Phase B	Electric Power Research Inst.	\$135,434
Hines, J.	Valve Health Monitoring System Development	Global Technology Connection	\$20,000
Hu, Bin	Magneto-Optical Studies of Charge Dissociation, Transport, and Collection	National Science Foundation	\$360,000
Hu, Bin	Investigation of Magnetic Field Effects of Photo-induced Electric	UES, Inc	\$25,000
Keppens, Veerle; Rawn, Claudia	REU-site: Synthesis and Characterization of Advanced Functional Materials	National Science Foundation	\$90,000
Langston, Michael	Data Structures, Algorithms and Tools for Ontological Discovery	Jackson Laboratory	\$95,044
Liu, Yilu	Electric Field Sensor Based Voltage Phasor Measurement Unit	Electric Power Research Inst.	\$26,000
Liu, Yilu	GIL Fellowship	DOE - UT-Battelle - ORNL	\$22,626
Nguyen, Ke	Engine Friction	DOE - UT-Battelle - ORNL	\$15,000
Pevey, Ronald	Develop a Critical Excursion Analysis Capability Using the COMSOL	DOE - BWXT Y-12, LLC - ORNL	\$60,000
Pharr, George	Piezoceramic and Piezoceramic Multilayer Actuator Characterization	DOE - UT-Battelle - ORNL	\$16,225
Rack, Philip	Molecular Scale Engineering and Nanoscale Technologies	DOE - UT-Battelle - ORNL	\$20,000
Tolbert, Leon; Islam, Syed; Li, Fangxing; Qi, Hairong; Wang, Xiaorui	Power Electronics Evaluation for DER and T & D	DOE - UT-Battelle - ORNL	\$8,000
Townsend, Lawrence	Additional Improvements to the Hzetrn Code and the Nucfrg2 Database	NASA - Langley Research Ctr.	\$40,000
Zhang, Mingjun; Bewick, Sharon	Mechanics of the Adhesive Properties of Ivy Nanoparticles	DOD - Department of the Army	\$108,158
Zhang, Mingjun; Simpson, Michael	Nanoparticles to Increase Strength of Surface Adhesion: An Inspiration	National Science Foundation	\$6,000
Zhang, Zhili	Fundamental Study of Resonant Ionization of Air for Ignition by Microwave	UES, Inc.	\$22,000
COLLEGE OF SOCIAL WORK			
Glisson, Charles	Center for the Study of Schools as a Context for Urban Children's Health	University of Illinois at Chicago	\$86,111
CAMPUS CENTERS & INSTITUTES			
Hall, Howard	Baker Center Global Security Program - ORNL	DOE - UT-Battelle - ORNL	\$60,000
Henry, Theodore; Connolly, Michelle; Schwartz, John	Relating Aluminum Concentrations in GRSM Streams with Accumulation of Aluminum	Great Smoky Mountains Conservation Association	\$10,000
Murray, George M.	Soluble Molecularly Imprinted Polymers for Biomedical Applications	Columbia BioSystems, Inc	\$197,823
Nichols, Jeffrey	Computational Investigation of the Formation of Self-Assembled	DOE - UT-Battelle - ORNL	\$28,569
Nichols, Jeffrey	Probalistic Quantification in Multidimensional Systems	DOE - UT-Battelle - ORNL	\$40,989
Ripp, Steven; Islam, Syed	IDBR: The LuxArray Scanner: Surveying the Environment	National Science Foundation	\$10,000
Thonnard, Norbert	Laser Spectroscopy of Nanomaterials Synthesis and Carbon Nanohorn	DOE - UT-Battelle - ORNL	\$42,613

RECOGNITIONS

Ramon P. DeGennaro, College of Business Administration Professor of Banking and Finance, has been elected to a three-year term on the board of directors of the Midwest Finance Association. DeGennaro also was interviewed and quoted in a March 12 article in the *Wall Street Journal*.

"Air quality during the 2008 Beijing Olympic Games" has been recognized as the fourth most cited paper in the last five years in *Atmospheric Environment*, an air pollution journal. **Joshua Fu**, associate professor of civil and environmental engineering, authored the paper, which appeared in the journal in 2007.

Russell Hirst, associate professor of English, has been named an Associate Fellow of the Society for Technical Communications, the world's largest and oldest professional association dedicated to technical communication.

Joichi Yamamoto, assistant professor of art, was juror and visiting artist at the 83rd annual Honolulu Printmakers Exhibition, which ended March 18, 2011.