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Office of Research & Engagement

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University of Tennessee Office of Research

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AWARDS AND RECOGNITIONS

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FEBRUARY 16, 2011

AWARDS FOR JANUARY 1–25, 2011

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Baker, Gregory	Multiscale Investigations on the Rates and Mechanisms of Targeted Immobilization	DOE - UT-Battelle - ORNL	\$14,000
Barnes, Craig	Development of Advanced Materials for Energy-related applications	DOE - UT-Battelle - ORNL	\$125,194
Barnes, Craig	Synthesis of Novel Catalysts	DOE - UT-Battelle - ORNL	\$51,283
Becker, Jeffrey; Podar, Mircea	Microbiota and its Role in Health and Disease	DOE - UT-Battelle - ORNL	\$13,104
DeCorse, Elizabeth	Cemetery Delineation (40RE203) at Riley Creek Campground, Watts Bar Reservoir	Tennessee Valley Authority	\$17,353
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis	Risk Integration Support for FY 2011	DOE - Bechtel Jacobs Company, LLC	\$5,072
Dolislager, Fredrick; Gross, Louis	ETTP Zone 1 ROD Amendment Support for FY 2010 WR60 Revision 000	DOE - Bechtel Jacobs Company, LLC	\$10,000
Emery, Joshua	Ground-Based Optical and Near-Infrared Photometry of Centaurs and KBOs in Support of Spitzer	NASA - Headquarters Washington DC	\$95,000
Gross, Louis	Development of selected model components of an Across-Trophic Level Systems	US Dept. of Interior - US Geological Survey	\$50,000
Hollenbach, Kandace	Geoarchaeological Fieldwork for the North Columbia Quarry Project, Columbia	Geoarchaeology Research Associates	\$1,009
Kovac, Jeffrey	2011 Governor's School for the Sciences and the Governor's School for Engineering	Tennessee Department of Education	\$495,195
Perfect, Edmund	Neutron Imaging of Fluids in Rocks and Soils	DOE - UT-Battelle - ORNL	\$15,000
Perfect, Edmund	Core Sample Porosity Testing of the Stones River - Knox Group Storage Assessment	Tennessee Higher Education Commission	\$10,422
Singh, David	Control of Lattice Instabilities in Ferroelectric Perovskites by Cation	DOD - Department of the Navy	\$44,424
Weitering, Hanno	Experimental Studies of Organic Spintronics	DOE - UT-Battelle - ORNL	\$5,357
COLLEGE OF BUSINESS ADMINISTRATION			
Bozdogan, Hamparsum	Exploiting the Use of Social Networking to Facilitate Collaboration in the Science	Information International Associates	\$61,136
Hutchison, Joan	Developing Shared Understanding through Knowledge Management: C-MAP	DOD - Department of the Navy	\$32,500
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Bassett, David	Development of an Integrated Measurement System to Assess Habitual Physical	University of Massachusetts	\$134,842
Benner, Susan; Huang, Baoshan	Newborn Hearing Program	State of Tennessee	\$181,000
Gardner, Diane	Oregon Adult Basic Skills Content Standards Development Project July 1 2010	State Of Oregon	\$505,000
Moore Partin, Tara	Connections for Education Outreach	Tennessee Department of Education	\$113,568
Skolits, Gary; Robinson, Stephanie	National Competitive Arts Education Program Evaluation and Statewide Survey	Tennessee Arts Commission	\$138,000
Terry, Paul	Study of Ovarian Cancer in African Americans	Duke University (AS400)	\$174,716
White, Connie	SPDG: Professional Development and Technology Support for TN Special Education	Tennessee Department of Education	\$362,515
COLLEGE OF ENGINEERING			
Arimilli, Rao; Ekici, Kivanc	Calc. Rev. & Development of Improved COMSOL-Based 2-D Thermal-Hydraulic	DOE - UT-Battelle - ORNL	\$13,000
Clarke, David	Evaluation of Freight Vehicles in Short-Haul Intermodal Lanes	National Transportation Research Center, Incorporated	\$77,997
Dongarra, Jack	Performance Engineering Research Center for Enabling Technologies (PERC)	DOE - US Dept. of Energy	\$235,000
Dongarra, Jack; Bosilca, George	Open Integrated Software Stack for Exascale Computing	DOE - Argonne National Lab	\$161,039
Fu, Joshua; Drake, John	Assessing the Cumulative Climate-Related Health Risks in the Eastern U.S.	Emory University	\$82,268
Hines, J; Upadhyaya, Belle	Development and Application of Process Monitoring Techniques	DOE - UT-Battelle - ORNL	\$40,000
Huang, Jian	SciDAC Institute of Ultrascale Visualization	DOE - US Dept. of Energy	\$100,000
Irick, David	Legacy Engine Research and Development Project	National Transportation Research Center, Incorporated	\$58,500
Joy, David; Rack, Philip	Focused Helium Ion Beam Induced Synthesis for Repair, Metrology Sample Preparation	Semiconductor Research Corporation	\$73,146
Langston, Michael	Data Structures, Tools and Algorithms for Ontological Discovery	Jackson Laboratory	\$30,000

AWARDS FOR JANUARY 1–25, 2011 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Lin, Cheng-Xian	Advanced Energy and Water Recovery Technology from Low Grade Waste Heat	Gas Technology Institute	\$77,000
Liu, Yilu	High Fidelity Neutronic and Depletion Simulations for the High Flux	DOE - UT-Battelle - ORNL	\$18,109
Mandrus, David	Correlated and Complex Materials	UT-Battelle, LLC-ORNL	\$72,576
McHargue, Carl	Membership Agreement	Welding Research	\$50,000
McHargue, Carl	CMP Membership	Materials Properties Council	\$50,000
McHargue, Carl; Kercher, Andrew	Materials for Advanced Gas Reactor Project	DOE - UT-Battelle - ORNL	\$38,702
McHargue, Carl	Membership in Center for Materials Processing	AMT International	\$20,000
Melcher, Charles	Operating Agreement of the Scintillation Materials Research Center	Siemens	\$2,500,000
Nguyen, Ke	Thermal Aging Of Lnts Using A Bench-Flow Reactor	DOE - UT-Battelle - ORNL	\$65,000
Parker, Lynne	STARS Alliance Extension	University of N.C. at Charlotte	\$9,000
Peterson, Gregory	Reliable Secure Computing	DOD - Dept. of the Air Force	\$5,000
Pevey, Ronald	Nuclear Criticality Safety Devices Services at the Portsmouth Gaseous Diffusion	Other private non-specified	\$28,028
Prowell, Stacy; Poore, Jesse; Smith, Bradford; Swain, William	SNS Analysis Software Architecture and Prodess Definition	DOE - UT-Battelle - ORNL	\$36,651
Rack, Philip	Center for Nanophase Materials Science (CNMS)	DOE - UT-Battelle - ORNL	\$50,000
Rack, Philip; Melcher, Charles	High Energy Thin Film Scintillator Research	DOE - BWXT Y-12 - ORNL	\$111,543
Sawhney, Rapinder	Development of a Predictive Human Resource Model (Phase 2)	DOE - UT-Battelle - ORNL	\$40,000
Tootle, Glenn	Streamflow Variability Due to Weather Modification	University of Wyoming	\$172,917
Wang, Fei	Integrated Modular Motor Drive Power Electronics Packaging - Support UW Project	DOE - UT-Battelle - ORNL	\$45,000
Wu, Jie	Development of on-site diagnostic devices for mycobacterial infections based on	University of Tennessee Research Foundation	\$15,000
Zhao, Xiaopeng	CAREER: Integrated Research and Education in Nonlinear Dynamics	NSF - National Science Foundation	\$6,000
COLLEGE OF SOCIAL WORK			
Campbell, Paul; Cunningham, Maryanne	Tennessee Voices for Children - TPIRC	Tennessee Voices for Children	\$56,241
CAMPUS CENTERS & INSTITUTES			
Bell, Larry	Sigma Space - NASA/LBA	Sigma Space Corporation	\$87,877
Geibig, Jack; Wilt, Catherine	Electronic Standards Development in Continuance of EPEAT	US Environmental Protection Agency	\$88,811
Layton, Alice	Request for Supplement to NIH/Forgarty International Center Grant 5R01TW8066	Columbia University	\$25,000
Majdalani, Joseph	Modeling of Liquid Film Flow Dynamics in Solid Rocket Motor Contoured Nozzles	ERC, Inc.	\$26,000
Nichols, Jeffrey	Fabrication and Testing of Novel Sources of Entangled Photons	DOE - UT-Battelle - ORNL	\$3,986
Nichols, Jeffrey	F Wavelength-Division Multiplexed Quantum Communication Network	DOE - UT-Battelle - ORNL	\$3,728
Nichols, Jeffrey	X-Ray Spectra of Solutions	DOE - UT-Battelle - ORNL	\$64,255
Parker, John	Doe-Ersp Frc Multiscale Investigations of Immobilization and Natural Attenuation	DOE - UT-Battelle - ORNL	\$8,000
Saylor, Gary; Baek, Seung; Ripp, Steven	Increasing Light Output Kinetics of a Bioluminescent Mammalian Cell Line	University of Tennessee Research Foundation	\$15,000

RECOGNITIONS

David Fox, associate professor of architecture, has been recognized for his work to promote diversity in architecture and design. The Association of Collegiate Schools of Architecture has recognized Fox with its Diversity Achievement Award for his efforts to revitalize neighborhoods, introduce sustainable design, and bring about ethnic and racial reconciliation. Fox's UPSIDE, Urban Program in Sustainable Design Education, has brought together architecture students and local high school students in Chattanooga and Knoxville.

An article published by Clinical graduate student **Alison Nathanson** and the late **Deborah Rhatigan**, assistant professor in clinical psychology, has been chosen as one of the 20 best articles published in 2010 in the journal *Violence Against Women*. The article, titled "The Role of Female Behavior and Attributions in Predicting Behavioral Responses to Hypothetical Male Violence," will be eligible for a plaque and \$100 prize if selected by the readership of the journal.