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Office of Research, Awards & Recognition, February 22, 2012

University of Tenessee Office of Research

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THE UNIVERSITY of TENNESSEE UT KNOXVILLE

Awards and Recognitions

http://research.utk.edu FEBRUARY 22, 2012

AWARDS FOR JANUARY 26–FEBRUARY 15, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARCHITECTURE & DESIGN			
Dekay, Robert	A New Knowledge Structure and Strategy Database for Designing Net-Zero Energy	American Institute of Architects	$12,500
COLLEGE OF ARTS & SCIENCES			
Anderson, David; Bissett, Thaddeus	Doctoral Dissertation Improvement Grant: Investigating the Origins of the Shell	National Science Foundation	$19,448
Barnes, Craig	ARRA: Chemical Catalysis for the Conversion of Renewable Feedstocks into Chemical and Fuels	University of Tennessee - Institute of Agriculture	$50,520
Breinig, Marianne	Science of the Plasma-Materials Interface at Extreme Conditions	UT-Battelle - ORNL	$10,886
Buchan, Alison	ARRA: Chemical Catalysis for the Conversion of Renewable Feedstocks into Chemical and Fuels	University of Tennessee - Institute of Agriculture	$29,535
Cyr, Howard	Phase II Geomorphic Testing of Site 1MG819, Flint Creek, Morgan County, Alabama	Tennessee Valley Archaeological Research	$8,084
Dolislager, F.; Galloway, L.; Gross, L.; Stewart, D.	Risk Integration Support for FY 2012 WR63, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	$3,116
Emery, Joshua	Ground-Based Optical and Near-Infrared Photometry of Centaurs and KBOs in Support of Spitzer	NASA - Headquarters Washington DC	$92,000
Fitzpatrick, Benjamin; Allison, Amanda	Distinctiveness and Diversity of Bacteria Associated with Salamander Skin	Tennessee Herpetological Society	$500
Gross, Louis	Development of Selected Model Components of an Across-Trophic Level Systems	U.S. Department of Interior - U.S. Geological Survey	$15,000
Gross, Louis	UT-Battelle EPA Risk - Environment Assessment and Decision Analysis	UT-Battelle - ORNL	$100,000
Grzywacz, Robert	Decay Heat and Beta-Delayed Neutron Emission from Fission Products	DOE - Office of Science	$180,000
Guidry, Michael	Neutron Image Modeling	UT-Battelle - ORNL	$12,986
Hollenbach, Kandace	Paleoethnobotanical Analysis of 40HK12, Hancock County, Tennessee	Brockington Associates	$1,360
Hollenbach, Kandace	Archaeological Subsistence Analysis, WR Oxford Project, Calhoun County, Alabama	Spectrum Environmental Services, Inc.	$34,678
Kabalka, George	Organic Dyes - 900 nm Project	UT-Battelle - ORNL	$30,000
Lloyd, Karen	Using Single Cell Genomics to Determine the Roles of Uncultured Microbes	Univ. of Southern California	$50,000
Loeffler, Frank	Development and Validation of a Quantitative Framework	Department of Defense	$122,840
Mannella, Norman	CAREER: Sub-Picosecond Electron Dynamics in Complex Electron Systems	National Science Foundation	$140,000
Matheny, Patrick	REVSYS: Revision of Australian Inocybaceae: Studies in Systematics & Evolution of Ectomycorrhizal Agaricales from the Southern Hemisphere	National Science Foundation	$7,453
Mays, Jimmy	Polymer-Based Multicomponent Materials	UT-Battelle - ORNL	$21,622
Mays, Jimmy	Ionic Conductivity in Polymers	UT-Battelle - ORNL	$40,094
Nattrass, Christine	Southeast Conference for Undergraduate Women in Physics	Yale University	$6,200
Nazarewicz, Witold; Papenbrock, Thomas	Theoretical Nuclear Structure	U.S. Department of Energy	$255,000
O'Neill, Hugh	Photosynthetic Membranes Using Small-Angle Neutron Scattering	UT-Battelle - ORNL	$19,502
Papenbrock, Thomas; Nazarewicz, Witold	RIKEN/RIA Theory Center	U.S. Department of Energy	$47,000
Sepaniak, Michael	Nanostructure and Superhydrophobic Materials	UT-Battelle - ORNL	$28,829
Serpersu, E.; Champion, L.	Tennessee Junior Science and Humanities Symposium 2012	Academy of Applied Sciences	$22,000
Sokolov, Alexei	Dynamics of Proteins and Hydration Water: Neutron Scattering Studies	UT-Battelle - ORNL	$14,472
Taylor, L.; Donnelly, C.; Liu, Y.	Characterization of the Timing and Nature of Metasomatism	National Science Foundation	$120,000
Weitering, Hanno	Ultrathin Oxide Growth and Characterization	UT-Battelle - ORNL	$50,488
COLLEGE OF BUSINESS ADMINISTRATION			
Fox, William; Luna, Leann	Economic Impact Study for New Amusement Park for Gaylord	Gaylord Entertainment	$53,794
COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES			
Colby, Sarah	Development of a Randomized Trial Guided by the Process of PRECEDE-PROCEED	South Dakota State University	$18,728
Wolbers, Kimberly; Bowden, Harriet; Stephenson, Brenda	Write On! Strategic Writing & Interactive Instruction	Tennessee Higher Education Commission	$75,000
Wolbers, K.; Cihak, D.; Dostal, H.; McGill-Franzen, A.; Stephenson, B.	Development of Strategic and Interactive Writing Instruction (SIWI) for Deaf	Institute of Education Sciences	$376,920
COLLEGE OF ENGINEERING			
Arimilli, Rao; Ekici, Kivanc	Calc. Rev. & Development of Improved COMSOL-Based 2-D Thermal-Hydraulic Model for HFIR Core	UT-Battelle - ORNL	$80,000
Baker, Allen; Wong, Kwai	Confidential	Confidential	$39,200
Bhat, Gajanan; Durairaj, Baskaran	Nanofiller Reinforced Nonwoven Sandwiched Composites for Asymmetric Explosive Threats Protection	Department of the Navy	$232,962

AWARDS FOR JANUARY 26–FEBRUARY 15, 2012 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
Blache, Klaus	Computational Facility Complex R&M Analysis	UT-Battelle - ORNL	$29,353
Cate, Matthew	FY 2012 Statewide Survey of Safety Belt and Motorcycle Helmet Usage	TN Dept. of Transportation	$74,961
Clarke, David	Cross-Walk Tables Assistance	UT-Battelle - ORNL	$6,928
Dmowski, Wojciech	Atomistic Study of Bulk Metallic Glasses	UT-Battelle - ORNL	$33,500
Dunne, W.; Counce, R.; Dhingra, R.; Grossbeck, M.; Ma, Z.; Tolbert, L.	Senior Design Projects	Electric Power Research Institute	$30,000
Ekici, Kivanc	CAREER: Multidisciplinary Framework for Innovative Design of Wind Turbines	National Science Foundation	$400,000
Everett, Jerry	Tennesseans' Attitudes, Perceptions and Awareness of Media Campaigns	TN Dept. of Transportation	$135,852
Fu, Joshua	Technical Support on USEPA's Proposed Transport Rule	Shaw International, Inc.	$9,438
Fu, Joshua; Drake, John	Assessing Cumulative Climate-Related Health Risks in the Eastern U.S.	Emory University	$15,292
Hall, Howard	Development of U/Pu Safeguards Measurement Capabilities Using Hybrid K-Edge	UT-Battelle - ORNL	$6,742
Hall, Howard	Technical Support for the Development of Advanced Safeguards	UT-Battelle - ORNL	$4,185
Hall, Howard	Technical Support for Nonproliferation Studies	UT-Battelle - ORNL	$20,000
Hall, Howard	Technical Support for Evaluating Technologies for Sample Collection	UT-Battelle - ORNL	$19,000
Hamel, William	Advanced Integrated Machining System Design for UPF	BWXT Y-12, LLC	$38,441
Han, Lee	Transportation Security and Energy Efficiency Research Support	UT-Battelle - ORNL	$21,581
Irick, David	Legacy Engine Project	NTRC	$7,072
Keffer, David	Lignin-based High Performance Li-Ion Anode Materials Synthesized	ORAU	$25,000
Li, Husheng	NeTS:Small: Networking over Random Fields: A Statistical Model	National Science Foundation	$6,000
Liaw, Peter	Surface Modification of Bulk-Metallic Glasses by a Laser-Peening Process	National Science Foundation	$6,000
Liu, Yilu	Integration of FNET Frequency Data into NERC-FMA	Berkeley National Laboratory	$20,000
Maldonado, Guillermo	Development of Nuclear Reactor Models	UT-Battelle - ORNL	$103,389
Mandrus, David	Investigation of Epitaxial Giant Magnetocaloric Effect Films	UT-Battelle - ORNL	$84,610
Parker, Lynne	Editor-in-Chief Duties for IEEE RAS Conference Editorial Board	IEEE	$24,950
Penumadu, Dayakar	Microstructural Characterization of Aluminum Damage Due to Fires	Department of the Navy	$60,000
Rack, Philip	Molecular Scale Engineering and Nanoscale Technologies	UT-Battelle - ORNL	$10,000
Sawhney, Rapinder	Transformation & Productivity Modeling for Y-12	BWXT Y-12, LLC	$40,143
Upadhyaya, Belle	Data Processing and Statistical Analysis of the Blend-Down Monitoring	UT-Battelle - ORNL	$52,766
Zhang, Mingjun	Energy Efficient Swimming Mechanism: An Inspiration from Micro-scale	Office of Naval Research	$167,790
COLLEGE OF SOCIAL WORK			
Campbell, Paul; Cunningham, Maryanne	Evaluation of Douglas-Cherokee Teen Pregnancy Prevention Program	Douglas Cherokee Economic Auth	$12,000
Campbell, Paul; Cunningham, Maryanne; Daugherty, Linda	Seigenthaler Statewide Telephone Survey	Seigenthaler Public Relations	$11,560
Patterson, David; West, Stacia	2012 Biennial Homelessness Study	City of Knoxville	$3,771
CAMPUS CENTERS & INSTITUTES			
Andrews, P.; Kovatch, P.; Harrison, R.; Zacharia, T.	XSEDE: eXtreme Science and Engineering Discovery Environment	University of Illinois	$2,074,001
Gangaware, Timothy; Hanahan, Ruth	CAC AmeriCorps Water Quality Forum - Adopt-A-Watershed	Knox County	$48,500
Harrison, Robert	TeraGrid GIG PY6 Subaward	University of Chicago	$151,807
Vakili, Ahmad D.	Y-12 Polyurethane Foam Testing Results	B&W Y-12, LLC	$31,709
OTHER			
Atkins, David	Interlibrary Loan Reimbursement Grant	TN State Library & Archives	$2,042

Beacon ad honors faculty who have won recognition

University of Tennessee faculty members are an accomplished group who regularly bring national and international recognition to themselves and to the university community.

Last Thursday as part of Faculty Appreciation Week, the Office of Research published its annual "Year of Accomplishment" ad in the *Daily Beacon*, a list of honors and awards received by faculty in 2011. The list was drawn in part from the recognitions that were printed in this newsletter during the year.

For 2012, we encourage faculty and administrators to share their accomplishments and other good news by sending us brief items that let us track the recognition they receive and share it with the wider university community.

Contact Bill Dockery (dockeryb@utk.edu, 865-974-2187) to submit items for *Awards and Recognitions*.

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