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Awards and Recognitions

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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SEPTEMBER 28, 2011

AWARDS FOR SEPTEMBER 7-16, 2011

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Butefish, Kurt	Operating Funds for the Tennessee Geographic Alliance	Tennessee Geographic Alliance	\$93,835
Dadmun, Mark	Fall National ACS Meeting Symposium: Polymer Coatings for the Environment	Army Research Office	\$2,500
Dagotto, Elbio	Theoretical Studies of Model Hamiltonians	UT-Battelle - ORNL	\$28,903
Dai, Pengcheng	Growth and Characterization of Magnetic Nanostructures	UT-Battelle - ORNL	\$11,522
Dai, Pengcheng	International Consortium for Probing Novel Superconductors with Neutrons, Nuons	Columbia University	\$90,721
DeCorse, Elizabeth; Hollenbach, Kandace	Archaeological Survey Of Federal Landholdings	US Dept. of Interior - National Park Service	\$14,989
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis	Risk Integration Support for FY 2011	Bechtel Jacobs Company, LLC	\$3,443
Feigerle, Charles	SNS 2008 Foils Project	UT-Battelle - ORNL	\$37,385
Gordon, Kristina	En-Pareja: A Latino Couples Intervention to Help Expectant Fathers Quit Smoking	Duke University Medical Center	\$30,523
Hinde, Robert	Surface Impact Simulations of Doped Helium Nanodroplets	Air Force Research Laboratory	\$80,000
Kamyshkov, Yuri	Request for Sponsoring BLV-2011 Workshop	DOE - Office of Science	\$8,000
Kilbey, Sidney; Mays, Jimmy	Role of Chain Microstructure and Branching on Solution and Thin Film Phase	Department of the Army	\$147,000
Perfect, Edmund	Rock Core Sample Porosity Testing of the Knox -Stones River Group Storage Assess	TN Dept. of Environment and Conservation - Div. of Geology	\$10,422
Podar, Mircea	Enhancing Expertise in Archaeal Taxonomy: Classical and Molecular-based	Portland State University	\$22,674
Sokolov, Alexei	Dynamics of Water and Molecular Mobility in Amino Acids, Peptides, Sugars	Unilever Research and Development	\$240,000
Taylor, Lawrence	The Moon as Cornerstone to the Terrestrial Planets: The Formative Years	Brown University - Office of Sponsored Projects	\$35,000
Vogt, Frank	Collaborative Research: Synchrotron-Based In-vivo Chemical Imaging	National Science Foundation	\$66,667
Yerka, Stephen; DeCorse, Elizabeth	In-Field Archaeological Geophysical Consultation, Oxford Recreation Complex	Goodwyn, Mills Cawood, Inc.	\$16,871
COLLEGE OF BUSINESS ADMINISTRATION			
Moore, John	Provide Services Supportive of the Wage and Hour Div.	US Dept. of Labor	\$799,872
COLLEGE OF COMMUNICATION & INFORMATION			
Suttles, Barbara	Genome Management Information System - Information Specialist II	UT-Battelle - ORNL	\$20,000
Suttles, Barbara	Genome Management Information System - Research Associate III	UT-Battelle - ORNL	\$28,500
Suttles, Barbara	Genome Management Information System/Communications and Management Expert	UT-Battelle - ORNL	\$95,900
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Brewer, Ernest	Veteran's Upward Bound	US Dept. of Education - Postsecondary Ed - Work Study	\$306,123
Ciancio, Dennis	Development of Integrated Text-Level Curricula for Kindergarten Through Second Grade	US Dept. of Education	\$452,581
Haughton, Betsy	Public Health Nutrition Leadership Education and Training for a Healthy MCH Population	DHHS - Health Resources and Services Administration	\$39,000
COLLEGE OF ENGINEERING			
Alshibli, Khalid	Experimental Measurements of Stresses and Strains of Granular Materials Using 3D	National Science Foundation	\$147,930
Attard, Thomas	NEESR Next-Gen Program	Rice University	\$25,528
Bennett, Richard	Piling Framed Retaining Wall: Extension of Data Collection, Design Refinement	Tennessee Department of Transportation	\$139,000
Boder, Eric	Controlling the Dynamics of Cell Adhesion Using Engineered Integrin I-Domain	NIH - National Institute of Mental Health	\$175,770
Clarke, David	Fuel Economy Web Site	UT-Battelle - ORNL	\$73,166
Clarke, David	Vehicle Registration and Miles of Travel Assistance	UT-Battelle - ORNL	\$21,386
DeSmidt, Hans	Collaborative Research: Hybrid Control of Gear System Vibration	National Science Foundation	\$188,726
Djouadi, Mohamed	Analysis of Smart-Grid Applications using next Generation Communication	UT-Battelle - ORNL	\$46,932
Dodds, Harold	National Academy for Nuclear Training - Health Physics	National Academy for Nuclear Training - Educational Assistance	\$25,000
Dongarra, Jack; Andrews, Philip	Keeneland: National Institute for Experimental Computing	Georgia Institute of Technology	\$222,976
Duscher, Gerd	Atomic-scale Investigation of Energy Materials	UT-Battelle - ORNL	\$58,098

AWARDS FOR SEPTEMBER 7–16, 2011 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Hall, Howard	Technical Support for the Development of Advanced Safeguards Measurement	UT-Battelle - ORNL	\$45,058
Hall, Howard	Technical Support for the Development of Advanced Safeguards Measurement	UT-Battelle - ORNL	\$15,900
Hayward, Jason	ARI-MA Research Program in Exploiting Time-Correlated Signatures	US Dept. of Homeland Security	\$398,944
Hayward, Jason	Detector-Mask Investigation for Dual Gamma-Ray and Fast Neutron	UT-Battelle - ORNL	\$16,168
Hayward, Jason	Curriculum Development for Nuclear Security Science and Analysis	UT-Battelle - ORNL	\$50,000
Hines, J.; Upadhyaya, Belle	Development and Validation of a Lifecycle-based Prognostics Architecture	U.S. Department of Energy	\$846,315
Lee, Ida	Surface Characterization and Mapping of Lignocellulose Samples by Chemical Force Microscopy	UT-Battelle - ORNL	\$41,916
Li, Fangxing	Economical Stability and Physical Stability Study for Controllable Load	National Science Foundation	\$6,000
Mandrus, David	Crystal Growth and Neutron Scattering	UT-Battelle - ORNL	\$144,075
McHargue, Carl	Computational Modeling for Radiation Effects	UT-Battelle - ORNL	\$71,000
McHargue, Carl; Bai, Jianming	Synchrotron Beamline Technical Assistance	UT-Battelle - ORNL	\$37,541
McHargue, Carl; Stewart, David	Modeling and Simulation Studies In Support of Nuclear Energy Systems	UT-Battelle - ORNL	\$31,592
Miller, Laurence; Melcher, Charles; Penumadu, Dayakar	Transformational Scintillation Materials for Neutron and Gamma Detectors and Education Integration	US Dept. of Homeland Security	\$399,969
Miller, Laurence; Walford, Graham	Spent Fuel Cask Profiling	DOE - Savannah River National Laboratory	\$30,000
Nguyen, Ke	Modeling of Zeolite SCR Catalysts	UT-Battelle - ORNL	\$18,585
Pharr, George	Experimental Studies of Small-Scale Mechanical Behavior	UT-Battelle - ORNL	\$122,227
Poore, Jesse; Swain, William	SNS Analysis Software Architecture and Process Definition	UT-Battelle - ORNL	\$30,000
Sawhney, Rapinder	An Optimization Model for Packaging Meal, Ready-to-Eat	UT - Institute of Agriculture	\$79,804
Sawhney, Rapinder	An Optimization Model for Packaging Meal, Ready-to-Eat	UT - Institute of Agriculture	\$11,222
Sawhney, Rapinder	An Optimization Model for Packaging Meal, Ready-to-Eat	UT - Institute of Agriculture	\$5,808
Tomsovic, Kevin; Li, Fangxing; Tolbert, Leon	Scalable and Flat Controls for Reliable Power Grid Operation with High Renewable Penetration	Stanford University GCEP	\$299,141
Townsend, Lawrence	Additional Improvements to the Hzetrn Code and the Nucfgr2 Database	NASA - Langley Research Center	\$48,837
Zhang, Yanwen	EFRC Theory and Computational Support	UT-Battelle - ORNL	\$65,000
COLLEGE OF SOCIAL WORK			
Campbell, Paul; Cunningham, Maryanne	PSAM Database Maintenance and Reporting	Signal Centers, Inc	\$4,599
CAMPUS CENTERS & INSTITUTES			
Harrison, Robert	Research Alliance in Math and Science (RAMS) 2011	UT-Battelle - ORNL	\$32,299
Parker, John	Assessing the Potential Consequences of Subsurface Bioremediation: Fe-oxide Bioreductive Processes...Media Structural Breakdown	UT - Institute of Agriculture	\$169,785
Sayler, Gary	Cellulosic Biomass Deconstruction, Characterization and Modeling	UT-Battelle - ORNL	\$97,462
OTHER			
Smith, Steven	UT/ORNL Library Project	UT-Battelle - ORNL	\$425,000

RECOGNITIONS

Outside magazine recently included a favorable mention of the cycleUshare electric bike sharing project that **Chris Cherry** is piloting for the UT Knoxville campus. Cherry is an assistant professor in civil and environmental engineering.

Ramon P. DeGennaro, professor of banking and finance in the College of Business Administration, recently presented an invited lecture at the Chautauqua Institution. His talk was part of a course titled "The Causes, Cures, and Consequences of the Financial Crisis." DeGennaro has also been named an associate editor of the *Financial Review*, the journal of the Eastern Finance Association.

UT Students Rank Their REUs Higher Than National Average

University of Tennessee undergraduates rank their summer research experiences as having higher value than those of other nationally surveyed undergraduates.

The survey of 2,709 students, conducted by the Howard Hughes Medical Institute, asked questions about how undergraduates' research experiences affected their skills interpreting results, tolerance for obstacles, ability to analyze data and to integrate theory and practice, and other professional and academic characteristics.

UT students involved in REUs scored the value of their involvement in UT research higher on all questions than did their counterparts at other colleges and universities.