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AWARDS AND RECOGNITIONS

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MAY 8, 2013

AWARDS FOR APRIL 11–MAY 2, 2013

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Allison, David	Destroying Pathogenic Bacteria Using Targeted-Nanoparticles	DOE - UT-Battelle - ORNL	\$30,461
Baudry, Jerome	Baudry Massive Computational Approach	DOE - UT-Battelle - ORNL	\$14,585
Compton, Robert	Mass Spectrometric Studies of Biomolecules	DOE - UT-Battelle - ORNL	\$12,230
Dai, Pengcheng	Study Magnetic Excitations in Doped Transition Metal Oxides Using Inelastic Neutron Scattering	US Department of Energy	\$220,000
Dai, Pengcheng	Neutron Scattering Studies of Spin and Lattice Dynamics in Electron-doped Iron	National Science Foundation	\$120,000
Dolislager, Fredrick; Gross, Louis	Risk Integration Support for FY 2013 WR65, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	\$2,596
Feigerle, Charles	Functionalized Carbon Materials and Recovery of Uranium From Seawater - 2	DOE - UT-Battelle - ORNL	\$45,000
Guidry, Michael	Integrated Computational Environment for Nuclear Energy Modeling and Simulation	DOE - UT-Battelle - ORNL	\$4,248
Guiochon, Georges	Fundamental Studies in Nonlinear Chromatography	National Science Foundation	\$175,000
Kamyshkov, Yuri; Handler, Thomas	Neutrino Interactions	DOE - Office of Science	\$338,000
Mannella, Norman	CAREER: Sub-Picosecond Electron Dynamics in Complex Electron Systems	National Science Foundation	\$130,000
McCracken, Gary	Subcontract with University of Southern California, Santa Cruz	Regents of the University of California, Santa Cruz	\$66,625
McCracken, Gary; Krauel, Jennifer	Linking Bat and Insect Migratory Behavior: Tadarida Brasiliensis	Bat Conservation International	\$4,500
McCracken, Gary; Simberloff, Daniel; Welch, Jessica	Effects of Invasion on an Endemic Island Bat	Bat Conservation International	\$3,200
McSween, Harry	THEMIS Science Team Member for Mars Odyssey Spacecraft	Arizona State University	\$50,000
McSween, Harry	Participation in DAWN Science Team	Regents of the University of California, Los Angeles	\$26,000
Moersch, Jeffrey	ASU Subcontract: Spectral Mapping and Thermophysical Characterization of the Martian Surface	Arizona State University	\$28,000
Plaut, Conrad; Schwartz Weinberger, Fernando	Barrett Lectures	National Science Foundation	\$16,500
Van De Moortel, Aleydis	Final Publication of the Mitrou Archaeological Project 2004-2008	National Endowment for the Humanities	\$42,000
Vonarnim, Albrecht	CCHI/Vaccinomics Project, Verberkmoes & Lang Ho Lee, Baylor College of Medicine	DOE - UT-Battelle - ORNL	\$14,599
Weitering, Hanno	Exploration of Quantum Size Effects in Ultrathin Ruthenium Films	DOE - UT-Battelle - ORNL	\$6,854
COLLEGE OF COMMUNICATION & INFORMATION			
Allard, Suzanne; Wilson, Bruce	Cybersecurity for Science Information (CSI): Developing Workforce Proficiency	Institute of Museum & Library - Office of Museum Services	\$49,070
Suttles, Barbara	Support for Computational Science and Engineering Division - UT-Battelle (Nelson)	DOE - UT-Battelle - ORNL	\$38,543
COLLEGE OF ENGINEERING			
Arel, Itamar; Gu, Gong; Holleman, Jeremiah	Scalable Power-Efficient Signal Analysis Systems using Hybrid Analog Computation	Defense Advanced Research Project Agency (DARPA)	\$1,000,000
Bennett, Richard; Schleter, William; White, Betsy	Everyday Engineering Examples	Stevens Institute of Technology	\$2,000
Bosilca, George	An Adaptive End-to-End Approach for Terabit Data Movement Optimization	DOE - Office of Science	\$150,000
Clarke, David	Database Applications	DOE - UT-Battelle - ORNL	\$6,844
Cox, Chris	Laboratory Energy Research and Development Working Group (LERDWG)	National Renewable Energy Laboratory	\$2,500
Cox, Chris	Laboratory Energy Research and Development Working Group (LERDWG)	DOE - Lawrence Livermore National Laboratory	\$2,500
Dongarra, Jack	Fault Resilience Communication	Japan Science and Technology Agency	\$66,508
Dongarra, Jack; Tomov, Stanimire	High-Performance Numerical Libraries with Support for Low-Rank Matrix Computation	High Performance Technologies, Inc	\$50,140
Dunne, W.; Hines, J.; Hamel, W.; Khomami, B.	ARRA: ARI-R2: Sustainable Energy Laboratory	National Science Foundation	\$1,559,521
Fathy, Aly	Metamaterial Antennas on Ballistic Panels for IED Detection	Applied Nanotech Holdings, Inc.	\$88,322

AWARDS FOR APRIL 11–MAY 10, 2013 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Fu, Joshua	Arctic Combined Heat and Power (ACHP) Project	DOE - UT-Battelle - ORNL	\$21,500
Hall, Howard	Simulation Study Using MCNPX and NRFGEANT4 for Applicability of Nuclear Resonance	DOE - Los Alamos National Laboratory	\$31,342
Hall, Howard	UT-Y12 FY13 Collaboration / Institute for Nuclear Security	DOE - BWXT Y-12	\$30,000
Hall, Howard	Technical Support for Reliability Studies	DOE - UT-Battelle - ORNL	\$27,407
Han, Lee	Transportation Security and Energy Efficiency Research Support	DOE - UT-Battelle - ORNL	\$23,558
Heilbronn, Lawrence	Isotope Production at Accelerator and Reactor Facilities	DOE - UT-Battelle - ORNL	\$30,430
Lenaghan, Scott	Development and In Vitro Optimization of Hydrogels for the Delivery of FHV	UT Institute of Agriculture - AgResearch	\$1,500
Liu, Yilu	Integration of FNET Frequency Data into NERC-FMA	Lawrence Berkeley National Laboratory	\$50,000
Mandrus, David	Crystal Growth and Neutron Scattering	DOE - UT-Battelle - ORNL	\$26,000
McFarlane, Nicole	ORNL CTES Security Review of Wide-area Monitoring and Control	DOE - UT-Battelle - ORNL	\$22,000
Penumadu, Dayakar	The Effects of Sea Water on Composite Facing Sandwich Layups	Office of Naval Research	\$20,000
Tomsovic, Kevin	EMS for Microgrid	DOE - UT-Battelle - ORNL	\$7,500
Townsend, Lawrence	Lunar Reconnaissance Orbiter Measurement Investigation Science Mission Phase	University of New Hampshire	\$100,000
Townsend, Lawrence	Develop Lookup Tables or Parameterizations (Curve Fits) of Particle Fluences	Wyle Laboratories Inc	\$63,675
Wirth, Brian	Technical Support for Nuclear Material Detection and Characterization	DOE - UT-Battelle - ORNL	\$2,964
COLLEGE OF SOCIAL WORK			
Glisson, Charles	Improving Family-to-Family Services in Children's Mental Health	New York University School of Medicine	\$252,489
CAMPUS CENTERS & INSTITUTES			
Gangaware, Timothy	Beaver Creek Restoration Initiative	TN Department of Agriculture - TN Nonpoint Source Program	\$47,810
Halloy, Christian	Multiple Scattering Approaches to the Non-Collinear Magnetic Structure in Fe Based Alloys	DOE - UT-Battelle - ORNL	\$31,700
Halloy, Christian	Sonewald Sharepoint Services	DOE - UT-Battelle - ORNL	\$8,921
Halloy, Christian	Galindo Generalized UQ Framework	DOE - UT-Battelle - ORNL	\$17,590
Moeller, Trevor Michael	Heat Transfer Coefficient Characterization for Stagnation Temperature Probe	Air Force - AEDC	\$50,000
Peretz, Sally	Tennessee Solar Summit	Pathway Lending	\$3,000
Peterson, Gregory; Wong, Kwai	REU Site: Computational Science for Undergraduate Research Experience (CSURE)	National Science Foundation	\$325,879
MULTICOLLEGE/CENTER			
Cortez, Edwin (C&I); Ponder, Beth (EHHS)	Library Anchor Models for Bridging Diversity Achievements (LAMBDA)	Institute of Museum & Library-Office of Museum Services	\$189,416
Dahlin-Brown, Nissa (BC); Cherry, Christopher (Engr)	Technical Review of Clean Cities' Electric Vehicle Community Readiness Projects	DOE - UT-Battelle - ORNL	\$67,351

RECOGNITIONS

Sally Ellingson, a graduate student in genome science and technology, has won one of 10 international Computers in Chemistry awards from the American Chemical Society. Working under **Jerome Baudry**, assistant professor in biochemistry, cellular and molecular biology, Ellingson uses high-performance computers to develop programs that will screen chemicals for their potential to interact with proteins.

Rachel May Golden, associate professor of musicology, has been accepted to the National Endowment for the Humanities Summer Institute on music and travel in Europe and the Americas between 1500 and 1800. The institute will take place at the Newberry Library in Chicago.

Jason Hayward, assistant professor of nuclear engineering, has received an Early Career Award from the U.S. Department of Energy Office of Science. Hayward will receive \$750,000 over five years for his project, "Neutron Scattering Instrumentation Research and Development for High Spatial and Temporal Resolution Imaging at Oak Ridge National Laboratory." Hayward's proposal was one of 61 chosen from a field of 770 submittals.

Harry "Hap" McSween, professor of earth and planetary sciences, has been named the Southeastern Conference Professor of the Year for 2013. McSween is only the second recipient of the award, which the SEC originated in 2012 to honor one exceptional educator a year from the conference's 14 universities.

Laura Nenzi, associate professor of history, has received a fellowship from the Institute for Advanced Studies in Princeton that will allow her to work on her second book in spring 2014. The project is titled *The Chaos and Cosmos of Kurosawa Tokiko*.

Andrew Fist and **Dimitrios Kakavelakis III**, graduate students at the UT Space Institute, have won first- and second-place awards, respectively for their papers at the Southeastern Regional Conference of the American Institute of Aeronautics and Astronautics. **Joseph Majdalani**, professor of mechanical, aerospace, and biomedical engineering, is mentoring the students and has had students win awards in the AIAA competition for the past four years.