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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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DECEMBER 14, 2011

AWARDS FOR NOVEMBER 12–DECEMBER 7, 2011

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Allison, David	Destroying Pathogenic Bacteria Using Targeted-Nanoparticles	UT-Battelle - ORNL	\$49,355
Cervone, Thomas; Alley, David	A Christmas Carol Local Artist Funding	Arts Cultural Alliance of Greater Knoxville	\$1,200
Classen, Aimee	Collaborative Research: Fungal Responses to Warming Will Shape Decomposition in Eastern	UT-Battelle - ORNL	\$11,979
Dolislager, Fredrick; Gross, Louis	ETTP Zone 1 Final ROD Support FY 2012 WR64, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	\$12,500
Egami, Takeshi	Atomistic Study of Bulk Metallic Glasses	UT-Battelle - ORNL	\$15,150
Feigerle, Charles	Synthesis of Novel Catalysts	UT-Battelle - ORNL	\$35,208
Gross, Louis	UT -Battelle EPA Risk - Environment Assessment and Decision Analysis	UT-Battelle - ORNL	\$24,000
Harrison, Robert	Execution of Sinergia Software Development Project for TOPAZ: Structure	University of Zurich	\$60,258
Hollenbach, Kandace	In-Field Specialized Archaeological Consultation, WR Oxford Project, Calhoun	Spectrum Environmental Services, Inc.	\$41,930
Kovac, Jeffrey	Governor's School for the Sciences and the Governor's School for Engineering	Tennessee Department of Education	\$495,195
Loeffler, Frank	Anaerobic Microbial Biotransformation and Biodegradation of Bisphenol A (BPA)	American Chemistry Council	\$150,459
Moersch, Jeffrey	Planetary Lake Lander	Search for Extraterrestrial Intelligence Institute	\$37,730
Moersch, Jeffrey	Robotic Investigation of Subsurface Life in the Atacama Desert	Search for Extraterrestrial Intelligence Institute	\$38,971
Peterson, Cynthia	A Novel Role for Metals in Regulating PAI-1	American Heart Association - National	\$82,500
Peterson, Cynthia	UTK-SCALE-IT-Brian Erickson	UT-Battelle - ORNL	\$4,783
Smith, Jeremy; Guo, Hong	QM, QM/MM MD and Free Energy Simulations of MERB and Hg(II) Binding	UT-Battelle - ORNL	\$11,680
Sokolov, Alexei	Theoretical Studies of Decoupling Phenomena in Dynamics of Soft Materials	UT-Battelle - ORNL	\$126,069
Taylor, Lawrence	Tennessee Space Grant Consortium Activities at University of Tennessee	Vanderbilt University	\$84,550
Vonarnim, Albrecht; Hettich, Robert	Proteomic Characterization	UT-Battelle - ORNL	\$11,793
Weitering, Hanno	Investigations of Hydrogen Storage in Metallic Thin Films	UT-Battelle - ORNL	\$34,100
Yerka, Stephen; DeCorse, Elizabeth	Geophysical and Geoarchaeological Reconnaissance Investigation, Boyd Mound	Tennessee Valley Authority	\$10,380
COLLEGE OF COMMUNICATION & INFORMATION			
Fitchpatrick, Steven	Scientific Presentations Workshop	UT-Battelle - ORNL	\$3,780
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Fairhurst, Ann	Culinary Training for Pellissippi State Community College - Associate Degree Program	Pellissippi State Community College	\$521,532
Ponder, Beth	Workforce Competitiveness Resource Collection	Pennsylvania State University	\$4,066
Terry, Paul	Melatonin and the Metabolic Syndrome	Emory University	\$8,950
COLLEGE OF ENGINEERING			
Bhat, Gajanan; Durairaj, Baskaran	Nanofiller Reinforced Nonwoven Sandwiched Composites for Asymmetric Explosive Threats Protection	DOD - Department of the Navy	\$35,000
Clarke, David	Cross-Walk Tables Assistance	UT-Battelle - ORNL	\$13,856
Hall, Howard	Flowsheet Analysis	UT-Battelle - ORNL	\$17,974
Hall, Howard	Simulation Study using MCNPX and NRFGEANT4 for Applicability of Nuclear Resonance	DOE - Los Alamos National Laboratory	\$41,972
Hayward, Jason	Radiation Detection Research and Development	UT-Battelle - ORNL	\$14,300
He, Qiang	Develop Effective Water Quality Management Programs to Restore the Biological	Tennessee Department of Environment and Conservation	\$33,364
McHargue, Carl	Computational Modeling of Radiation Effects in Structural Materials	UT-Battelle - ORNL	\$29,831
Nguyen, Ke	Thermal Aging of Lnts Using a Bench-Flow Reactor	UT-Battelle - ORNL	\$61,413
Nguyen, Ke	Engine Friction	UT-Battelle - ORNL	\$30,000
Parang, Masood; Pippin, James	Tennessee Louis Stokes Alliance for Minority Participation	Tennessee State University	\$176,815

AWARDS FOR NOVEMBER 12–DECEMBER 7, 2011 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Penumadu, Dayakar	Deformation Behavior and Microstructure Under Multi-Axial Conditions	BWXT Y-12, LLC	\$60,000
Sawhney, Rapinder	Fully-virtualized Computational Energy Infrastructure Model for Improved Cyber	UT-Battelle - ORNL	\$65,002
Townsend, Lawrence	Develop Lookup Tables or Parameterizations (Curve Fits) of Particle Fluences	Wyle Laboratories Inc.- Accounts Payable	\$76,938
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	\$56,767
CAMPUS CENTERS & INSTITUTES			
Bell, Larry	Sigma Space - NASA/LBA	Sigma Space Corporation	\$11,414
Ezzell, Timothy; Ogle, James	Tennessee Rural Broadband White Paper	Internet Innovation Alliance	\$7,500
Harrison, Robert	Computational Investigation of the Formation of Self-Assembled Molecular Surfaces	UT-Battelle - ORNL	\$84,047
Harrison, Robert	X-Ray Spectra of Solutions	UT-Battelle - ORNL	\$16,364
Moeller, Trevor Michael	Cryo Deposition Research, Experimentation, and Development of Early Warning and Mitigation Techniques	AEDC/FMF	\$40,000
Nichols, Jeffrey	Multiple Scattering Approaches to the Non-Collinear Magnetic Structure in Fe Based Alloys	UT-Battelle - ORNL	\$75,957
Wilt, Catherine	Technical Support to the ORNL's Energy Program Evaluation Projects	UT-Battelle - ORNL	\$34,865

RECOGNITIONS

The Tennessee Association of Nurse Anesthetists has named **Donald Bell** its Practitioner of the Year for exemplifying excellence in anesthesia practice. Bell, a clinical associate professor of anesthesia in the College of Nursing, sits on the Tennessee Board of Nursing, a gubernatorial appointment.

Barry Bruce, a professor in biochemistry, cellular and molecular biology, is one of four NSF principal investigators invited to address the National Science Foundation Advisory Committee to the Directorate for Biological Sciences in Washington in December. The conference discussed NSF biological research that contributes to the bio-economy, and Bruce was asked to talk about his work on research in photosynthesis as it bears on photovoltaic or hydrogen energy sources.

Terri Combs-Orme, professor of social work, is the first recipient of the Urban Child Institute Endowed Professorship in the College of Social Work. Combs-Orme studies the needs of disadvantaged children and families and is a fellow of the Urban Child Institute, a Memphis-based organization dedicated to the development and dissemination of knowledge about neuroscience and its impact on children from birth to age three.

Jeff Moersch, associate professor of earth and planetary sciences, has been named to the science team for NASA's Mars Science Laboratory rover mission. His proposal, one of 29 selected from among 149 submitted, focuses on using the rover's neutron detector to sense hydrogen compounds in Martian soil.

David Northington, professor of music, has received a notable mention from music critic James Manheim for Northington's 2010 recording, "Copland: Complete Solo Piano Works, Vol. 1."

Scott Poole, dean of the College of Architecture and Design, has been recognized as one of the "25 Most Admired Educators of 2012" by DesignIntelligence, a report published by the Design Futures Council. The annual honor is given to design professionals who demonstrate excellence as administrators and educators.

Deb Shmerler, associate professor of art, was recognized with a "Making the Case" award in the design competition of the American Institute of Graphic Artists for the graphic design component of the UT Living Light project, UT's entry into the 2011 Solar Decathlon. Hers was one of nine case studies to be so recognized from among some 60 entries.

Neal Shover, UTK professor emeritus of sociology, is one of five academicians invited recently to present papers to the Committee on Law and Justice of the National Academy of Sciences in Washington, DC. Shover's presentation ("White Collar Crime: Defined and the Big Picture") reflects his continuing interest and research on respectable crime. Shover and a colleague recently presented their invited paper ("Consumer Fraud: Who Commits It, Why, and a Policy Bearing") at the Stanford Conference on Prevention of Financial Fraud in Washington, DC.

Steven Wilhelm, professor of microbiology, co-authored a lead editorial for Nature Climate Change entitled "Healthy competition-Noxious cyanobacteria pose a considerable health threat to freshwater ecosystems" and was quoted in a lead editorial in Science journal in September.

UT faculty members **Lee Riedinger** and **Michael Simpson** have been elected to fellowship in the American Association for the Advancement of Science. Both men have joint appointments at UT and Oak Ridge National Laboratory and are leaders in the Bredesen Center for Interdisciplinary Research and Graduate Education, a UT-ORNL organization that fosters doctoral studies in engineering and energy sciences. Riedinger is a long-time UT physicist and Simpson works in materials science and engineering.

Two faculty members from UTK have been invited to serve as jurors for the Brock International Prize, a \$40,000 award that recognizes an individual who has made a significant impact in the field of education. **Richard Allington**, professor in theory and practice in teacher education, and **Autumn Tooms**, professor and director of the Center for Educational Leadership, will serve as jurors, the first time that two faculty members from the same school have done so.

The UT College of Law ranks first in the number of new downloads per paper among law schools in the Social Science Research Network's catalogue of recent publications in the social sciences. According to figures released by **Gregory Stein**, associate dean of the college, 27 College of Law authors have papers on the SSRN data base that are being widely read. The most recent list of articles includes papers by UT law faculty members **Becky Jacobs**, **Glenn Reynolds**, **Maurice Stucke**, **David Wolitz**, and **Iris Goodwin**. Stein said that while several much larger law schools have had more articles downloaded in total, UT has the highest number of downloads on a per-paper basis.