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Awards and Recognitions

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5-2-2012

## Office of Research, Awards & Recognition, May 02, 2012

University of Tennessee Office of Research

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## AWARDS AND RECOGNITIONS

<http://research.utk.edu>

MAY 2, 2012

### AWARDS FOR APRIL 3-26, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
<b>COLLEGE OF ARTS &amp; SCIENCES</b>			
Best, Michael	CAREER: Chemical Approaches to the Investigation of Protein-Lipid Binding	National Science Foundation	\$192,660
Cyr, Howard	Geoarchaeological Investigation of the Oxford Recreation Facility, Oxford	Goodwyn, Mills and Cawood, Inc.	\$2,441
Decorse, Elizabeth	Proposal for Cultural Resources Survey, First Utility District, Knox County	Tennessee Valley Authority	\$9,951
Efremenko, Yuri	Conceptual Design for the Majorana Demonstrator	DOE - UT-Battelle - ORNL	\$242,705
Gross, Louis	UT-Battelle EPA Risk - Environment Assessment and Decision Analysis	DOE - UT-Battelle - ORNL	\$51,527
Hollenbach, Kandace	Analysis of Subsistence Remains from 1Mg819, Morgan County, Alabama	Tennessee Valley Archaeological Research	\$3,050
Hollenbach, Kandace	Analysis of Subsistence Remains from 1Mg824, Morgan County, Alabama	Tennessee Valley Archaeological Research	\$1,261
Hollenbach, Kandace	Analysis of Subsistence Remains from 1Mg1010, Morgan County, Alabama	Tennessee Valley Archaeological Research	\$3,050
Matheny, Patrick	DISSERTATION RESEARCH: Systematics, Ecology, and Evolution of the Clavariaceae	National Science Foundation	\$14,984
McCracken, Gary	Linking Bat and Insect Migratory Behavior: Tadarida brasiliensis	Bat Conservation International	\$3,800
McSween, Harry	Participation in DAWN Science Team	Regents of the University of California, Los Angeles	\$45,000
Mikucki, Jill	Collaborative Research: GeomicroBiology of Antarctic Subglacial Environments	Dartmouth College	\$76,880
Perfect, Edmund	Inclusion of Soil Freezing/Thawing and Upscaling Modules in PFLOTRAN	DOE - UT-Battelle - ORNL	\$9,567
Petersen, Ronald; Hughes, Karen; Matheny, Patrick	The Mycology Collections at TENN: Rehousing, Digitization and Management of Supporting Material	National Science Foundation	\$11,469
Peterson, Cynthia; Baudry, Jerome	High Performance Computing for Rational Drug Discovery and Design	DOE - UT-Battelle - ORNL	\$13,724
Peterson, Cynthia; Fenwick, Bradley; Hodges, Carolyn	Program for Excellence and Equity in Research (PEER)	NIH - National Institute of General Medical Sciences	\$964,706
Vonarnim, Albrecht	Proteomic Characterization	DOE - UT-Battelle - ORNL	\$76,259
Zhao, Bin	Tuning Aqueous Micellar Gels and Nanoparticle-Containing Hybrid Micellar Gels	National Science Foundation	\$361,688
<b>COLLEGE OF BUSINESS ADMINISTRATION</b>			
Mee, Robert	Optimum Experimental Design for Langmuir-Hinshelwood Equation Estimation	DOE - UT-Battelle - ORNL	\$6,626
Moore, John	Provide Services Supportive of the Wage and Hour Division of the Employment Standards Administration	U.S. Department of Labor	\$733,114
<b>COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES</b>			
Erwin, Paul; Knight, Margaret	Measuring Public Health Across East Tennessee (M-PHAET)	Robert Wood Johnson Foundation	\$49,990
French, Russell; Skolits, Gary	Drexel University Transition to Teaching Partnership Evaluation	Drexel University	\$85,502
Mincey, Bethany	Knoxville-Knox County CAC WIA Out-of-School Youth	Knoxville/Knox County - Community Action Committee	\$163,265
<b>COLLEGE OF ENGINEERING</b>			
Desmidt, Hans	Conditioned Based Maintenance Technology: Emergent Health Monitoring Technologies	Vertical Lift Consortium	\$67,065
Djouadi, Seddik	Analyzing Streaming and At-rest "Big Data" with Applications to Energy Security	DOE - UT-Battelle - ORNL	\$11,288
Dmowski, Wojciech	Structural Studies of Nanoporous Carbons by Neutron and X-ray Scattering	DOE - UT-Battelle - ORNL	\$30,000
Fathy, Aly	Portable See Through Wall Radar	eWave Informatics, LLC	\$76,080
Gao, Yanfei; Troparevsky, Maria	Theoretical Studies of Novel Properties of Metal/Alloy Nanoparticles	DOE - UT-Battelle - ORNL	\$8,329
Hall, Howard	Flowsheet Analysis	DOE - UT-Battelle - ORNL	\$22,000
Han, Lee	Transportation Security and Energy Efficiency Research Support	DOE - UT-Battelle - ORNL	\$21,581
Hayward, Jason	Alternative Detector System to Replace He-3 Detectors for Neutron Sciences	DOE - UT-Battelle - ORNL	\$35,000

## AWARDS FOR APRIL 3-26, 2012 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Hayward, Jason	Detector-mask investigation for Dual Gamma-Ray and Fast Neutron, Imaging	DOE - UT-Battelle - ORNL	\$48,019
Irick, David	PHEV Engine Control and Energy Management Strategy	DOE - UT-Battelle - ORNL	\$30,000
Kohls, Airton	Development of NHI Highway Noise Course	National Highway Institute	\$100,000
Mandrus, David	Correlated and Complex Materials	DOE - UT-Battelle - ORNL	\$32,707
McHargue, Carl	Computational Modeling for Radiation Effects	DOE - UT-Battelle - ORNL	\$46,535
Melcher, Charles; Hayward, Jason	Enhancing Energy Migration and Proportionality in Scintillation Materials	DOE - US Dept. of Energy	\$250,000
Nguyen, Ke	Thermal Aging of LNTs Using a Bench-Flow Reactor	DOE - UT-Battelle - ORNL	\$10,000
Nguyen, Ke	Engine Friction	DOE - UT-Battelle - ORNL	\$2,500
Rawn, Claudia; Barabash, Oleg; McHargue, Carl	Neutron Optics and Crystals	DOE - UT-Battelle - ORNL	\$34,234
Rawn, Claudia; McHargue, Carl; Meisner, Roberta	Materials Characterization	DOE - UT-Battelle - ORNL	\$29,218
Tolbert, Leon	Cascaded Micro Inverter PV System for Reduced Costs	Delphi Automotive Systems	\$124,152
Tomsovic, Kevin; Li, Fangxing; Liu, Yilu; Tolbert, Leon; Wang, Fei	Program Income for NSF Engineering Research Center for Ultra-wide-area Resilient Electric Energy Transmission Network	Boeing	\$15,000
Townsend, Lawrence; Moussa, Hanna	Develop Lookup Tables or Parameterizations (Curve Fits) of Particle Fluences	Wyle Laboratories Inc. Accounts Payable	\$78,869
Upadhyaya, Belle	Nuclear Reactor Instrumentation and Control (I&C) and Digital I&C Implementation	Nuclear Regulatory Commission	\$167,417

### CAMPUS CENTERS & INSTITUTES

Harrison, Robert	F Wavelength-Division Multiplexed Quantum Communication Network	DOE - UT-Battelle - ORNL	\$16,135
Harrison, Robert	Computational Science Workflow System	DOE - UT-Battelle - ORNL	\$15,688
Harrison, Robert	Statistical Methodologies Pertaining to Human Health	DOE - UT-Battelle - ORNL	\$3,500
Harrison, Robert	Spatio-Temporal Signal Processing	DOE - UT-Battelle - ORNL	\$21,399
Jouline, Igor; Baudry, Jerome	Computational Genomics of Signal Transduction	NIH - National Institute of General Medical Sciences	\$283,385
Loeffler, Frank; Ritalahti, Kirsti	BioRed: Biomakers and Tools for Reductive Dechlorination Site Assessment	U.S. Department of Defense	\$106,093
Pfiffner, Susan; Layton, Alice; Loeffler, Frank; Ritalahti, Kirsti; Saylor, Gary	Metaproteomics Identifies the Protein Machinery Involved in Metal and Radionucli	U.S. Department of Energy	\$317,003
Redus, Sharon	China-US Joint Research Center for Ecosystem and Environmental Change (JRCEEC)	Purdue University	\$26,650
Tonn, Bruce	Rooftop Solar Challenge: Inducing Market Transformation in Tennessee	U.S. Department of Energy	\$5,000

## RECOGNITIONS

**Kimberly Cassie**, assistant professor in social work, has received an early-career New Connections award from the Robert Wood Johnson Foundation to develop definitions, program components, and outcomes from nursing-assistant certification programs.

**Karen Hughes**, professor of ecology and evolutionary biology, is one of multiple authors on an article featured recently on the cover of the Proceedings of the National Academy of Sciences. The article is "Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for *Fungi*" and Hughes participated as part of the Fungal Barcoding Consortium.

*Café*, a short film by **Norman Magden**, will be screened May 25, 2012, as part of the 4th Corona Fastnet Short Film Festival in Schull, West Cork, Ireland. Magden is a professor in the School of Art.

**Susan Martin**, provost and professor of classics, has received the Latin Ovatio award for lifetime achievement from the Classical Association of the Middle West and South. A past president of the group, Martin was honored for her scholarship on the social and legal history of the Roman Empire.

**Jana Morgan's** book, *Bankrupt Representation and Party System Collapse*, has won the Vann Cott Award for Outstanding Book from the Political Institutions section of the Latin American Studies Association. Morgan is an associate professor of political science.

**Christine Nattrass**, a UT postdoctoral researcher who has been hired as an assistant professor in the Physics Department, was recognized as the Woman Physicist of the Month for May 2012 by the American Physical Society. Nattrass, a heavy ion researcher, is active in encouraging young women to enter the field of physics.

An article by **Glenn Reynolds**, "Second Amendment Penumbra: Some Preliminary Observations," published by the Southern California Law Review, is the most downloaded recent article on the Social Sciences Research Network site. Reynolds is a professor of law.

**Daniel Simberloff** is one of 84 new members elected to the National Academy of Sciences. Simberloff is the Nancy Gore Hunger Professor of Environmental Studies in ecology and evolutionary biology.

**Penny White**, professor of law, spoke recently on "The Politicalization of America's State Courts" at Yale Law School, addressing issues of judicial selection, campaigns, and decision-making, especially in death-penalty cases.