

AWARDS AND RECOGNITIONS

<http://research.utk.edu>

MARCH 20, 2013

AWARDS FOR FEBRUARY 19–MARCH 10, 2013

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Armstrong, Paul; Milt, Austin	A GIS Based Decision Support Tool for Avoiding Future Environmental Impacts	The Nature Conservancy	\$37,279
Decorse, Elizabeth	Archival Research and Architectural Survey of the University Commons Site	Geosyntec Consultants	\$20,009
Decorse, Elizabeth	Phase I Archaeological Survey of the University Commons Site, Knoxville	Geosyntec Consultants	\$63,829
Fedo, Christopher	Resolving Basaltic Sediment Characteristics from 2D Images Using Known 3D Data	NASA - Headquarters	\$34,660
Greene, Geoffrey	SNS Accumulator Ring	DOE - UT-Battelle - ORNL	\$40,000
Gross, Louis; Galloway, Leslie	Mammalian Research	DOE - UT-Battelle - ORNL	\$18,720
Hayes, Daniel	Diagnosis and Attribution of the Contemporary North American Terrestrial CO ₂	NASA - Headquarters	\$102,788
Hollenbach, Kandace	Zooarchaeological Analysis of WR Oxford, 1Ca190, Calhoun County, Alabama	Spectrum Environmental Services, Inc.	\$69,553
Hollenbach, Kandace	Site Revisits on Norris Reservoir in Anderson, Campbell, and Union Counties	University of Alabama	\$8,599
Hollenbach, Kandace	Archaeological Fieldwork 1Tu495, Tuscaloosa, Alabama	University of Alabama	\$44,408
Hollenbach, Kandace	Zooarchaeological Analysis of 41HY161, Hays County, Texas	Texas State University	\$857
Loeffler, Frank	Development and Validation of a Quantitative Framework and Management	DOD - Department of the Navy	\$123,210
Mannik, Jaan	CAREER: Understanding Robustness of Cellular Organization in Escherichia Coli	National Science Foundation	\$82,461
Matheny, Patrick	REVSYS: Revision of Australian Inocybaceae: Studies in Systematics & Evolution of Ectomycorrhizal Agaricales from the Southern Hemisphere	National Science Foundation	\$6,250
Mays, Jimmy	Fundamentals of Ionic Conductivity in Polymeric Materials for Energy Storage	DOE - UT-Battelle - ORNL	\$12,000
McSween, Harry	Mars Surveyor	Cornell Center for Radiophysics and Space Research	\$5,000
O'Meara, Brian	Collaborative Research: Phylogeographic Inference Using Approximated Likelihoods	National Science Foundation	\$340,000
Steadman, Dawnie	Biometric Data Collection	DOE - UT-Battelle - ORNL	\$1,166
Steadman, Dawnie	Bioarchaeological Analysis, WR Oxford Project, Calhoun County, Alabama	Spectrum Environmental Services, Inc.	\$17,387
Sumrall, Colin	Collaborative Research: Assembling the Echinoderm Tree of Life	National Science Foundation	\$20,744
Vogt, Frank	Bayesian Information Fusion for Robust Classification and Quantification	National Science Foundation	\$118,890
Weitering, Hanno	Ultrathin Oxide Growth and Characterization	DOE - UT-Battelle - ORNL	\$16,747
Wymore, Troy	High Performance for Multiscale Modeling of Biological Systems	University of Pittsburgh, School of Medicine	\$46,217
Xue, Ziling	Multi-Analyte Sensor for Detecting Trace Halogenated Organic Contaminants	InnoSense, LLC	\$45,000
COLLEGE OF BUSINESS ADMINISTRATION			
Cathey, Amy	MBA Student Support for Y-12 National Security Complex (Fall 2012-Fall 2013)	BWXT Y-12, LLC	\$148,013
Greene, David	The ICCT e-Drive Model: Phase 3	The International Council on Clean Transportation	\$63,665
Moore, John	Provide Services Supportive of the Wage and Hour Division of the Employment Standards Administration	US Dept. of Labor	\$195,754
COLLEGE OF ENGINEERING			
Alshibli, Khalid	3D Assessment of Particle Morphology and its Influence on Friction, Dilatancy	National Science Foundation	\$253,005
Arel, Itamar	Deep Machine Learning and Processing for Image Understanding	DOE - UT-Battelle - ORNL	\$18,000
Cate, Matthew	Program Support for the Tennessee Department of Transportation's Safe Routes	Tennessee Department of Transportation	\$2,000,000
Clarke, David	UTC Support of NuRails Project for University of Illinois	University of Illinois at Urbana-Champaign	\$115,000
Cox, Chris	Laboratory Energy Research and Development Working Group (LERDWG)	DOE - Argonne National Lab	\$2,500

AWARDS FOR FEBRUARY 19–MARCH 20, 2013 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
Cox, Chris	Laboratory Energy Research and Development Working Group (LERDWG)	DOE- Idaho National Laboratory	\$2,500
Cox, Chris	Laboratory Energy Research and Development Working Group (LERDWG)	DOE - Battelle - Pacific Northwest National Lab	\$2,500
Dmowski, Wojciech	Atomistic Study of Bulk Metallic Glasses	DOE - UT-Battelle - ORNL	\$14,500
Irick, David	ITER CS Module Bus Joint Development	DOE - UT-Battelle - ORNL	\$161,473
Irick, David	ITER CS Module Material Development	DOE - UT-Battelle - ORNL	\$247,389
Langston, Michael	Environmental Context of Health Disparities	Meharry Medical Center	\$32,514
Maldonado, Guillermo	High Fidelity Neutronic and Depletion Simulations for the High Flux Isotope Reactor	DOE - UT-Battelle - ORNL	\$10,693
Palomino, Angelica	Meso-Scale Behavior Characterization of “Tunable” Clay-Polymer Composites	National Science Foundation	\$170,271
Parker, Lynne	Analysis Tools for Sensor-Based Energy Modeling	DOE - UT-Battelle - ORNL	\$16,300
Weber, William	IBML Use for ORNL Project ERKCM86	DOE - UT-Battelle - ORNL	\$22,350
Wirth, Brian	Modeling Materials Performance in Extreme Environments	DOE - UT-Battelle - ORNL	\$59,000
Zawodzinski, Thomas	Redox Flow Battery Testing	DOE - UT-Battelle - ORNL	\$12,500
COLLEGE OF NURSING			
Myers, Carole; Gunther, Mary	Tennessee Nursing Institute for Leadership and Policy	The Assisi Foundation of Memphis, Inc.	\$25,000
COLLEGE OF SOCIAL WORK			
Patterson, David	Salvation Army Matching Funds	Salvation Army	\$750
CAMPUS CENTERS & INSTITUTES			
Gangaware, Timothy; Hanahan, Ruth	CAC AmeriCorps Water Quality Forum - Adopt-A-Watershed	Knox County	\$48,500
Johnson, Jacqueline Anne	Large Area, High Resolution Storage Phosphor Detectors for High Energy (MeV) Digital Radiography	B&W Y-12, LLC	\$100,000
Moeller, Trevor Michael	Novel System for Cryodeposit Mitigation and Remediation	Physical Sciences Inc.	\$60,000
MULTICOLLEGE/CENTER			
Harrison, Robert (A&S); Halloy, Christian (JICS)	Miller Single Mode Fibers	DOE - UT-Battelle - ORNL	\$2,722
Zawodzinski, T. (Engr); Paddison, S. (Engr); Papandrew, A. (Engr); Mench, M. (Engr); Foister, S. (A&S)	Research Support for Naval Energy Needs	Office of Naval Research	\$500,000

RECOGNITIONS

Three early-career researchers at UT have received National Science Foundation CAREER awards so far in 2013. **David Jenkins**, assistant professor of chemistry, will study how to catalyze a class of compounds called aziridines that have antitumor and antibiotic properties. **Jaan Mannik**, assistant professor of physics, will investigate the effect of shape on the basic biological functions of E. coli cells. **Jeff Reinbolt**, assistant professor in mechanical, aerospace, and biomedical engineering, will develop a program to understand human movement through a design, control, and simulation environment, especially focusing on muscle coordination arising in abnormal human movements that result from events like strokes.

The American Society of Civil Engineers has recognized a group from the UT Department of Civil and Environmental Engineering with the Raymond C., Reese Research Prize for 2013 for the paper, “Transverse Joint Details with Tight Bend Diameter U-Bars for Accelerated Bridge Construction.” Honored from the UT department are **Zhongguo John Ma**, associate professor; **Samuel Lewis**, graduate student; **Zhiqi He**, doctoral candidate; and **Edwin Burdette**, professor. **Ci Cao**, assistant professor in civil engineering at Dalian University of Technology in China, is a recent a former doctoral candidate in the department. Catherine French, professor of civil engineering at the University of Minnesota, was also recognized as an author of the paper.

We want to know what makes you proud!

We are looking for your good news. Please share with us information about honors and awards, fellowships and offices, and other significant recognition that you have received recently. Please submit your items to Bill Dockery at dockeryb@utk.edu and we'll spread the word.

The International Association of Rehabilitation Professionals has named **Patrick Dunn** its Outstanding Rehabilitation Educator for 2012. Dunn, associate professor of counselor education in the College of Education, Health, and Human Sciences, founded UT’s distance education program for rehabilitation counseling.

Michael Handelsman, professor of modern foreign languages, has been inducted into Ecuador’s National Academy of Language.

Bredesen Center graduate student **Kemper Talley** is one of 24 students accepted nationally for the Computational Physics Student Summer Workshop at Los Alamos National Laboratory. Talley works with **Witek Nazarewicz**, UT professor of physics, and Oak Ridge National Laboratory Researcher **Mark Williams** on a comprehensive modeling and simulation program for nuclear safety analysis and design.

Coach emeritus **Pat Summitt** has been named the Naismith Outstanding Contributor to Women’s College Basketball for 2013.