



10-3-2012

## Office of Research, Awards & Recognition, October 3, 2012

University of Tennessee Office of Research

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## AWARDS AND RECOGNITIONS

<http://research.utk.edu>

OCTOBER 3, 2012

### AWARDS FOR SEPTEMBER 10–21, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
<b>COLLEGE OF ARTS &amp; SCIENCES</b>			
Baudry, Jerome	Searching for Small Molecules as Potent Inhibitors of Z-AAT	UT Health Science Center	\$19,433
Bingham, Carrol	Matching Funds - UT/ORNL Joint Institute	DOE - UT-Battelle - ORNL	\$47,000
Campagna, Shawn; Zinser, Erik	Intracellular DOM: Fate and Flux at the Microbial Nodes of C and N Cycles	National Science Foundation	\$600,000
Chaffin, James	The Correspondence of James K. Polk	National Historical Publications and Records Commission	\$52,710
Compton, Robert	Mass Spectrometric Studies of Biomolecules	DOE - UT-Battelle - ORNL	\$7,338
Cooper, Matthew	Alcohol and BDNF Modulation of Stress-Related Memories	The Brain and Behavior Research Fund	\$30,000
Dolislager, F.; Galloway, L.; Gross, L.; Stewart, D.	Risk Integration Support for FY 2012 WR63, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	\$3,116
Dolislager, Fredrick; Gross, Louis	ETTP Zone 1 Final ROD Support FY 2012 WR64, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	\$6,000
Emery, Joshua	Mineralogical Constraints and Modeling of Asteroids from 3-Micron Spectroscopy	Johns Hopkins University	\$10,523
Ezzell, Timothy	Appalachian Teaching Project 2012: Mountain Solar: Promoting Solar Energy	East Tennessee State University	\$4,000
Freeberg, Todd	Experimental Psych Practicum	BWXT Y-12, LLC	\$3,766
Gross, Louis	UT-Battelle EPA Risk - Environment Assessment and Decision Analysis	DOE - UT-Battelle - ORNL	\$15,000
Hauck, Cory; Mezzacappa, Anthony	Optimization-Based Moment Models for Multiscale Kinetic Equations	National Science Foundation	\$211,644
Hollenbach, Kandace	Subsistence Analysis of Four Historic Choctaw Sites in Kemper County, Mississippi	Tennessee Valley Archaeological Research	\$76,002
Levy, Jacob	Practicum Experience for Counseling Graduates	Cornerstone of Recovery	\$10,000
McCracken, Gary	Inventory and Documentation of Bats in Wrangell-St. Elias & Glacier Bay	US Department of Interior - National Park Service	\$10,992
McCracken, Gary; Bernard, Riley	Investigating the Winter Foraging Behavior of Bats in Tennessee	Basically Bats	\$3,000
Moersch, Jeffrey	Assessment of Subsurface Hydrogen Content and Geochemical Anomalies	NASA - Headquarters	\$77,908
Moore, Todd	Practicum Training for Clinical Graduate Students	Cornerstone of Recovery	\$30,000
Nazarewicz, Witold	Microscopic Description of the Fission Process	National Nuclear Security Administration	\$198,000
Perfect, Edmund	Neutron Imaging of Fluids in Rocks and Soils	DOE - UT-Battelle - ORNL	\$14,216
Peterson, Cynthia	Evaluate the Level and Distribution of Huntingtin Proteins in Brain Tissues	CHDI, Inc.	\$150,855
Sepaniak, Michael	High Aspect Ratio, Densely Populated, Pillar Arrays for Separations	National Science Foundation	\$400,000
Taylor, Lawrence	Tennessee Space Grant Consortium Activities at UT	Vanderbilt University	\$17,900
Weitering, Hanno	Exploration of Quantum Size Effects in Ultrathin Magnesium Films for Hydrogen	DOE - UT-Battelle - ORNL	\$3,427
Weitering, Hanno	Exploration of Quantum Size Effects in Ultrathin Ruthenium Films for Surface	DOE - UT-Battelle - ORNL	\$3,427
Wilhelm, Steven	CREATIV: An Ecologically-Driven Strategy for Ensuring Sustainability	UNC at Chapel Hill	\$179,998
<b>COLLEGE OF COMMUNICATION &amp; INFORMATION</b>			
Suttles, Barbara	Genome Management Information System - Research Associate III	DOE - UT-Battelle - ORNL	\$94,065
Suttles, Barbara	Genome Management Information System - Information Specialist II	DOE - UT-Battelle - ORNL	\$68,863
<b>COLLEGE OF ENGINEERING</b>			
Abidi, M; Koschan, Andreas	Target Handoff and Resource Management for Multi-Sensor-Multi-Target Tracking	US Department of Defense	\$134,640
Berry, Michael	Love Your Money	UT Institute of Agriculture - AgResearch	\$1,402
Bray, Larry	Waterway to Waterway Commodity Movements	URS Corporation	\$47,332
Djouadi, Seddik	Analyzing Streaming and At-Rest "Big Data" with Applications to Energy Security	DOE - UT-Battelle - ORNL	\$2,900
Dongarra, Jack; Tomov, Stanimire	High-Performance Numerical Libraries with Support for Low-Rank Matrix Computation	High Performance Technologies, Inc.	\$160,722
Han, Lee	High Performance Traffic Simulation Tasks for Emergency Management	DOE - UT-Battelle - ORNL	\$81,016

## AWARDS FOR SEPTEMBER 10–21, 2012 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Hayward, Jason	Glasses for Detection of Penetrating Radiation via the Cherenkov Effect	US Department of Defense	\$230,598
Hayward, Jason	ARI-MA Research Program in Exploiting Time-Related Signatures and Directional	US Department of Homeland Security	\$235,500
Holleman, Jeremiah; Arel, Itamar	SHR Small: Hierarchical Unsupervised Inference Using Robust Neuromorphic	National Science Foundation	\$250,000
Hu, Bin	Exploring Electrical and Magnetic Resonances from Coherently Correlated	DOD - Air Force Office Scientific Research	\$112,500
Li, Fangxing	GPU-based Matrix Condensation with Sparse Matrix Technique for Power System	National Science Foundation	\$80,289
Li, Husheng; Chen, Chien-Fei	Collaborative Research: Design, Analysis and Implementation of Social Interaction	National Science Foundation	\$140,000
Pennycook, Stephen	Cathodoluminescence Investigations of Solid State Lighting Materials	DOE - UT-Battelle - ORNL	\$52,164
Pevey, Ronald	Student Support to Production for Criticality Safety	BWXT Y-12, LLC	\$7,500
Rack, Philip	Center for Nanophase Materials Science (CNMS)	DOE - UT-Battelle - ORNL	\$28,558
Rawn, Claudia	Strategic Materials Sustainability: Titanium Powder Metallurgy	DOE - UT-Battelle - ORNL	\$36,043
Tolbert, Leon	Load Participation in Ancillary Services	DOE - UT-Battelle - ORNL	\$3,445
Tomsovic, Kevin; Djouadi, Seddik; Li, Husheng	CPS:Synergy: A Cyber Physical Framework for Remedial Action Schemes	National Science Foundation	\$750,000
Upadhyaya, Belle; Hines, J.	On-line Monitoring in Small Modular Reactors	Analysis and Measurement Services	\$45,161
Zawodzinski, Thomas; Papandrew, Alexander	Advanced Energy Storage Technologies: Novel Electrolyte Energy Storage Systems	Stanford University GCEP	\$102,757
Zhang, Yanwen	Microscopy Characterization in Energy Materials	DOE - UT-Battelle - ORNL	\$61,961
Zhang, Yanwen	Microstructure Characterization in Ceramic- and Metallic-based Materials	DOE - UT-Battelle - ORNL	\$13,000
<b>CAMPUS CENTERS &amp; INSTITUTES</b>			
Cole, Gregory	GLORIAD in Africa	US Agency for International Development	\$850,001
Halloy, Christian	Beste Catalysis and Electron Transport	DOE - UT-Battelle - ORNL	\$124,924
Hazlewood, Victor	XD Technology Audit and Insertion Service	University of Illinois at Urbana-Champaign	\$247,000
Lenhart, Suzanne; Sturner, Kelly	2012 Modern Mathematics Workshop at SACNAS	Mathematical Sciences Research Institute	\$38,150
Sayler, G.; Close, D.; McFarlane, N.; Ripp, S.; Wang, S.	Implantable Biosensors for Real-time In Vivo Interrogation of Biological	National Science Foundation	\$299,996
<b>OTHER</b>			
Deeken, Joanne; Roessner, Lori; Teeter, Dwight	Tennessee Newspaper Digitization Project	National Endowment for the Humanities	\$325,000

## RECOGNITIONS

**David Atkins**, associate professor and head of resource sharing and document delivery for the UT Libraries, is the 2012 recipient of the Tenn-Share Resource Sharing Award.

**Suzanne Lenhart** is a member of the inaugural class of Fellows of the American Mathematical Society. Lenhart, professor of mathematics, is associate director of the National Institute for Mathematical and Biological Synthesis.

**Paula Schaefer**, associate professor of law, will present "Technology's Triple Threat to the Attorney Client Privilege" at the 2013 annual conference of the American Association of Law Schools in New Orleans.

**Steven Escar Smith**, professor and dean of libraries has been appointed to the Tennessee Advisory Council on Libraries by the Tennessee secretary of state.

**Maurice Stucke**, associate professor of law, will present a paper at an antitrust enforcement symposium at Oxford University on "Is Competition Always Good?"

**Penny White**, professor of law, spoke recently on current attacks on the judiciary at the annual conference of the National Association of Appellate Court Clerks in Charleston, S.C. She also delivered a keynote address on preserving judicial independence at the annual meeting of the Florida Circuit Judges Conference.

**Madelyn Crawford**, a senior studying microbiology under **Jeffrey Becker**, has been awarded an undergraduate research fellowship from the American Society for Microbiology. Crawford was one of 56 recipients among 122 fellowship applicants. Becker is professor and head of microbiology.

### 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](mailto:dockeryb@utk.edu) and we'll spread the word.