

AWARDS AND RECOGNITIONS

http://research.utk.edu			SEPTEMBER 8, 2010
AWARDS FOR AUGUST 20–SEPTEMBER 3, 2010			
INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Becker, Jeffrey	ARRA - Peptide Cell Interactions in Saccharomyces Cerevisae	National Institute of Health	\$284,180
Camden, Jon	Plasmon Mapping in Metallic Nanostructures and its Application to Single Molecule Surface Enhanced Raman Scattering	US Dept. of Energy	\$420,000
Chaffin, Tom	The Correspondence of the James K. Polk	National Historic Publications and Records Commission	\$70,280
Dadmun, Mark	Developing Methods to Improve Quality and Efficiency of Latent Fingerprint Development by Superglue Fuming	US Dept. of Justice	\$258,816
Dai, Pengcheng	PIRE: International Consortium for Probing Novel Superconduction with Neutrons, Muons, Photons, and STM	Columbia University	\$90,721
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis	Risk Integration Support for FY 2010 WR59	Bechtel Jacobs Development Company	\$7,040
Douglas, Heather	Scholars Award: Explanatory Weight of Evidence Analysis	National Science Foundation	\$110,798
Efremenko, Yuri	Search for the Neutrinoless Double Beta Decay	US Dept. of Energy	\$80,000
Feller, Daniel	The Papers of Andrew Jackson	National Historic Publications and Records Commission	\$182,290
Ferrell, Thomas	Explosive Vapor Detection	UT-Battelle	\$22,470
Guiochon, Georges	Research on Linear and Nonlinear Supercritical Fluid Chromatography	Waters Technologies Corp	\$72,000
Hallam, Thomas; McCracken, Gary	Effects of White Nose Syndrome on Hibernating Bat Populations	US DOI - US Fish and Wildlife Service	\$115,000
Hollenbach, Kandace	Paleoethnobotanical Analysis of 1Bb227, Bibb County, Alabama	Panamerican Consultants, Inc.	\$1,797
Hollenbach, Kandace	Paleoethnobotanical Analysis of Woodland Sites in the Great Pee Dee Drainage, SC	University of South Carolina	\$2,379
Horn, Sally; Valente, Matthew	Doctoral Dissertation Research: Late Quaternary Paleoenvironments and Biota of Cuatro Cienegas, Mexico	National Science Foundation	\$11,013
Kamyshkov, Yuri; Efremenko, Yuri; Handler, Thomas; Spanier, Stefan	Elementary Particle Interactions	US Dept. of Energy	\$146,500
Mallinckrodt, Brent	Practicum Experience in Counseling Psychology for Students	Cornerstone of Recovery	\$10,000
Mays, Jimmy	Synthesis and Characterization of Novel Monomers	UT-Battelle	\$17,500
Nazarewicz, Witold	FUSTIPEN	US Dept. of Energy	\$35,000
Pfiffner, Susan	Metaproteomics Identifiers the Protein Machinery Involved in Metal and Radionuclide Reduction in Subsurface Microbiomes and Elucidates Mechanisms and U(VI) Reduction Biomarkers	US Dept. of Energy	\$307,720
Smith, Jeremy; Guo, Hong	Molecular Mechanisms of Bacterial Mercury Transformation	US Dept. of Energy	\$374,443
Taylor, Lawrence	The Moon as Cornerstone to the Terrestrial Planets: The Formative Years	Brown University	\$6,000
Van de Moortel, Aleydis	Mitrou Archaeological Project	National Endowment for the Humanities	\$100,000
Vass, Arpad	Evaluating the Use of DNA and RNA Degradation for Estimating the Post-Mortem Interval	National Institute of Justice	\$167,414
vonArnim, Albrecht	Radiation Research Society Editor	Radiation Research Society	\$372,977
Weitering, Hanno; Cui, Shengting	Nanofluidic Technologies for Rapidly Sequencing Single DNA Molecules	University of North Carolina, Chapel Hill	\$131,426
Weitering, Hanno	Joint Faculty	UT-Battelle	\$15,337
Xue, Ziling	Reactions of Transition Metal Complexes with Oxygen and Water. Investigating the Nature of the Reactions and Pathways to Microelectronic Materials	National Science Foundation	\$140,000
COLLEGE OF BUSINESS ADMINISTRATION			
Fox, William	Tenncare Choices Survey	State of Tennessee	\$92,117
COLLEGE OF COMMUNICATION & INFORMATION			
Allard, Suzanne; Normore, Lorraine; Tenopir, Carol; Wilson, Bruce	DataNetONE (Observation Network for Earth)	University of New Mexico	\$644,686
Suttles, Bobbie	Genome Management Information System - Research Associate III	UT-Battelle	\$60,000
COLLEGE OF ENGINEERING			
Baker, AJ	Scalable Thermal Analysis for Real-Time Signatures (STAR)	Trideum Corporation	\$50,000
Dmowski, Wojciech	Structural Stability of the Electrode in the Li-ion Batteries	Office of Naval Research	\$50,001
Dongarra, Jack	SCIDAC	US Dept. of Energy	\$150,000
Dongarra, Jack	Coordinated Fault Tolerance for High Performance Computing	US Dept. of Energy	\$200,000
Dongarra, Jack	Matrix Algebra for GPU and Multicore Architectures (MAGMA) for Large Petascale Systems	US Dept. of Energy	\$150,000

AWARDS FOR AUGUST 20–SEPTEMBER 3, 2010 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
Fathy, Aly	Egypt Conference	US Army - Research Devel. Engineering Command	\$5,000
Frymier, Paul; Irick, Butch; Tolbert, Leon; Cherry, Chris; Counce, Robert	H2vBE: A Case Study of the Reliability, Cost, and Environmental Sustainability of Hydrogen Fuel	US Environmental Protection Agency	\$10,000
Gregor, Jens	Preclinical Diagnostic Imaging of Amyloid	US Dept. of Health & Human Services	\$55,871
Gregor, Jens	Preclinical Diagnostic Imaging of Amyloid	US Dept. of Health & Human Services	\$53,826
Grossbeck, Martin	Study of Compatibility of Stainless Steel Weld Joints with Liquid Sodium-Potassium Coolants for Fission Surface Power Reactors for Lunar and Space Applications	US Dept. of Energy	\$534,889
Hall, Howard	PWR Radionuclide Transport	UT-Battelle	\$88,908
Heilbronn, Lawrence	General Scientific Infrastructure Support	US Dept. of Energy	\$210,173
Keffer, David; Joy, David	Supplement to A Computational and Experimental Investigation into the Transport of Protons Near the Electrolyte/Water, Electrolyte/Catalyst, and Electrolyte/Nanoparticle Interfaces	US Dept. of Energy	\$35,000
Liaw, Peter; Clarke, David	Fracture Toughness and Fatigue Properties of Pipeline Base Steels and Welds in High-Pressure Hydrogen and Technologies for Improving Weld HE and IGSCC	US Dept. of Transportation	\$44,000
Liu, Yilu	Transformer Model Study	ABB	\$15,050
Maldonado, Ivan	Joint Faculty Agreement	UT-Battelle	\$47,176
McHargue, Carl; Meisner, Roberta	Materials Characterization	UT-Battelle	\$28,360
Penumadu, Dayakar	The Effects of Sea Water on Composite Facings Sandwich Layups, and of Polymeric Composites for Naval Application	Office of Naval Research	\$10,000
Rack, Philip	NSF SBIR: Development of Electrically Shielded Carbon Nanotube Scanning Electron Probes	Xidex Corporation	\$30,868
Wirth, Brian	Modeling Investigation of the Stability and Irradiation-Induced Evolution of Nanoscale Precipitates in Advanced Structural Materials	Battelle Energy Alliance, LLC	\$380,653
Zawodzinski, Thomas	Governor’s Chair and Joint Faculty in Energy Storage	UT-Battelle	\$25,600
Zhang, Zhili	BRIGE: Combustion Intermediate Species Measurement Using Microwave and Laser Diagnostics	National Science Foundation	\$175,000
COLLEGE OF SOCIAL WORK			
Galambos, Colleen	Leadership Education Excellence in Caring for Children with Neurodevelopmental & Related Disabilities	Vanderbilt University	\$8,251
Patterson, David	HMIS Knox County - HUD CDBG Matching Funds 2010-2011	Knox County - Community Development Division	\$10,000
CAMPUS CENTERS & INSTITUTES			
Andrews, Phil; Kovatch, Patricia; Zacharia, Thomas	Augment the Kraken! Increasing the Scientific Capability and Capacity of the NSF’s Most Powerful Supercomputer	National Science Foundation	\$2,850,000
Cole, Greg	IRNC: ProNet: GLORIAD	National Science Foundation	\$867,880
Loeffler, Frank; Ritalhti, Kristi	MIRMoT: Design and Application of Microbial Uranium Reduction Monitoring Tool	US Dept. of Energy	\$230,576
Nichols, Jeffery	Fabrication and Testing of Novel Sources of Entangled Photons	UT-Battelle	\$7,168
Nichols, Jeffery	F-Wavelength-Division Multiplexed Quantum Communication Network	UT-Battelle	\$8,710
Nichols, Jeffery	Petascale and Exascale Class of Platforms	UT-Battelle	\$113,587
Phillips, Linda	UT/ORNL Library Project	UT-Battelle	\$425,000
Wu, Meng-Shiou	Common Component Architecture (CCA) Research for Quantum Chemistry Packages	Ames Laboratory	\$60,064
Zacharia, Thomas	Catalysis and Electron Transport in Nanoscale Systems	UT-Battelle	\$107,250

RECOGNITIONS

Mary Albrecht, associate dean for academic programs and professor in the College of Agricultural Sciences and Natural Resources, has been appointed by Chancellor Jimmy G. Cheek to oversee the UT Knoxville Top 25 project and serve as associate vice chancellor. Albrecht is charged with monitoring progress and keeping the campus community, alumni and other constituents well-informed on how the project is doing.

Beauvais Lyons, professor of art, has been invited to present prints and taxidermy from his project “The Association for Creative Zoology” at the Museum of the Philosophical Society of America in Philadelphia as part of the Philadelphia Fringe Live Arts Festival September 10-18, 2010. The project is supported through a UTK-EPPE grant and the Pennsylvania Humanities Council.

Lee Riedinger, professor of physics, has been named director of the UTK/ORNL Center for Interdisciplinary Research and Graduate Education (CIRE). The center is a product of state legislation authorizing the university to establish an academic unit of UT Knoxville for interdisciplinary research and graduate education in collaboration with ORNL.