University of Tennessee, Knoxville
Trace: Tennessee Research and Creative Exchange

Awards and Recognitions | Office of Research

1-11-2012

Office of Research, Awards & Recognition, January 11, 2012

University of Tenessee Office of Research

Follow this and additional works at: http://trace.tennessee.edu/utk_researchawards

Recommended Citation
Office of Research, University of Tenessee, "Office of Research, Awards & Recognition, January 11, 2012" (2012). *Awards and Recognitions.*
http://trace.tennessee.edu/utk_researchawards/83

This Newsletter is brought to you for free and open access by the Office of Research at Trace: Tennessee Research and Creative Exchange. It has been accepted for inclusion in Awards and Recognitions by an authorized administrator of Trace: Tennessee Research and Creative Exchange. For more information, please contact trace@utk.edu.

Quest
Research • Scholarship • Creative Activity

THE UNIVERSITY of TENNESSEE UT KNOXVILLE

Awards and Recognitions

http://research.utk.edu JANUARY 11, 2012

AWARDS FOR DECEMBER 8–31, 2011

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARCHITECTURE & DESIGN			
McRae, John	Spring 2012 Sponsored Studio: Design and Planning of Student and Faculty Housing	HaitiServe	$20,000
COLLEGE OF ARTS & SCIENCES			
Becher, Paul; Hsueh, Chun-Hway	Atomistically Informed Materials Design of Ultrahigh Temperature Ceramics	University of Houston	$68,392
Cyr, Howard	Physical and Chemical Analysis of Cultural Planting Features at Thomas Jefferson	The Corporation for Jefferson's Poplar Forest	$1,328
Dimaria, Salvatore	Italian Lecturer Program	Italian Government	$13,301
Dolislager, Fredrick; Galloway, Leslie; Gross, Louis; Stewart, Debra	Risk Integration Support for FY 2012 WR63, Rev 000	DOE - URS CH2M Oak Ridge LLC (UCOR)	$2,596
Efremenko, Yuri	Conceptual Design for the Majorana Demonstrator	UT-Battelle - ORNL	$10,299
Feigerle, Charles	High Performance CO_2 Scrubbing Based on Hollow Fiber-Supported Designer Ionic	UT-Battelle - ORNL	$77,239
Hayes, Daniel	Diagnosis and Attribution of the Contemporary North American Terrestrial CO_2	NASA - Headquarters Washington DC	$105,171
Moersch, Jeffrey	Search for Aqueous Minerals with Mars Exploration Rover Mini-TES Experiment	NASA - Jet Propulsion Laboratory	$25,000
Petersen, Ronald; Hughes, Karen; O'Meara, Brian	Historical Naming Traditions and Cryptic Speciation Bias Biodiversity Estimates	NSF - National Science Foundation	$141,143
Prosser, Rebecca	Novel Pharmacology Studies on the Suprachiasmatic Nucleus	Orphagen Pharmaceuticals	$16,800
Roberts, Daniel; Peterson, Cynthia	VSEE-Dan Roberts	NSF - National Science Foundation	$24,407
Shefner, Jon	Host the Society for the Study of Social Problems (SSSP-Administrative Office)	Society for the Study of Social Problems	$128,459
Vonarnim, Albrecht	Radiation Research Society Journal Editor	Radiation Research Society	$21,300
Weitering, Hanno	Investigations of Hydrogen Storage in Metallic Thin Films	UT-Battelle - ORNL	$22,730
Weitering, Hanno	Exploration of Quantum Size Effects in Ultrathin Magnesium Films for Hydrogen	UT-Battelle - ORNL	$9,785
Weitering, Hanno	Exploration of Quantum Size Effects in Ultrathin Ruthenium Films for Surface	UT-Battelle - ORNL	$9,785
COLLEGE OF BUSINESS ADMINISTRATION			
Moore, John	Construction Industry Information and Construction Inspections - OSHA	US Dept. of Labor	$254,460
COLLEGE OF COMMUNICATION & INFORMATION			
Allard, Suzanne; Normore, Lorraine; Tenopir, Carol; Wilson, Bruce	DataNetONE (Observation Network for Earth)	University of New Mexico	$603,598
Suttles, Barbara	Genome Management Information System	UT-Battelle - ORNL	$46,000
Suttles, Barbara	Genome Management Information System	UT-Battelle - ORNL	$58,000
Suttles, Barbara	Technical Support to the Computational Data Analytics	UT-Battelle - ORNL	$65,000
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Erwin, Paul; Hamilton, Charles	Public Health Training Center	DHHS - Health Resources and Services Administration	$25,000
Kolvitz, Marcia	Postsecondary Education Center for Individuals who are Deaf	California State University Northridge	$153,775
Moore Partin, Tara	Connections for Education Outreach	TN Department of Education - Training & Professional Dev.	$105,132
Raynor, Hollie	Increasing Sleep Duration: A Novel Approach to Weight Control	Miriam Hospital	$8,101
White, Connie	Tennessee Even Start Database Support, Training, and Technical Assistance	TN Department of Education	$200,000
Wolbers, Kimberly; Stephenson, Brenda	Write On! Strategic and Interactive Writing Instruction (SIWI) Professional Development at WTSD	TN Department of Education	$6,618
COLLEGE OF ENGINEERING			
Bosilca, George	An Adaptive End-to-End Approach for Terabit Data Movement Optimization	DOE - Office of Science	$150,000
Dhingra, Rajive; Sawhney, Rapinder	Life Cycle Data for Next Generation Materials in the Industrial Sector	UT-Battelle - ORNL	$3,591
Drake, John; Fu, Joshua	Chemistry in CESM-SE: Evaluation, Performance and Optimization	University Corporation For Atmospheric Research	$50,243
Gregor, Jens	ARRA: Algorithm Development for Neutron/X-ray Imaging System	UT-Battelle - ORNL	$60,307

AWARDS FOR DECEMBER 8–31, 2011 (CONT.)			
INVESTIGATOR	TITLE	SPONSOR	AWARD
Holleman, Jeremiah; Arel, Itamar	Scalable Low-Power Machine Learning Using Analog Computation	Intelligence Advanced Research Projects Activity	$311,319
Huang, Baoshan; Shu, Xiang	Laboratory Evaluation of Bored Pile Durability under Sulfate and Chloride Attack	Hebei Institute of Construction and Geotechnical Investigation	$100,001
Joy, David; Rack, Philip	Focused Helium Ion Beam Induced Synthesis for Repair, Metrology Sample Preparation	Semiconductor Research Corporation	$74,743
McHargue, Carl; Dou, Peng	Advanced Nuclear Materials and Fuels	UT-Battelle - ORNL	$14,907
Mench, Matthew	Transport Studies Enabling Efficiency Optimization of Cost-Competitive Fuel Cell	Pennsylvania State University	$110,266
Mench, Matthew	Whole-Cell Modeling and Integrated Experimentation of Bioelectrochemical Systems	Pennsylvania State University	$47,621
Penumadu, Dayakar	Effect of Sea Environment on Sandwich Layups	DOD - Department of the Navy	$125,000
Penumadu, Dayakar	Effect of Sea Environment on Sandwich Layups	DOD - Department of the Navy	$40,000
Rack, Philip; Melcher, Charles	Task Objectives for High-Resolution and High-Energy Scintillator Research	BWXT Y-12, LLC	$101,143
Ruggles, Arthur	HFIR LEU Flow Blockage Consequence Assessment Updates	UT-Battelle - ORNL	$57,641
Sawhney, Rapinder; Clarke, David	AGC's Supply Chain Configuration Design, Phase I	AGC Glass Company North America	$35,000
Townsend, Lawrence	Lunar Reconnaissance Orbiter Measurement Investigation Science Mission Phase	University of New Hampshire	$74,975
Upadhyaya, Belle	Data Processing and Statistical Analysis of the Blend-Down Monitoring System (BDMS)	UT-Battelle - ORNL	$10,000
Wang, Xiaorui	Enforcing Timing and Power/Thermal Constraints for Mission-Critical Real-Time Embedded Systems	DOD - Department of the Navy	$15,000
Weber, William; Wirth, Brian; Zhang, Yanwen	Multipurpose Target Chamber for High-Temperature Ion Irradiation	DOE - US Dept. of Energy	$249,994
Wilck, Joseph; Li, Xueping; Sawhney, Rapinder	Advanced Modeling of OHS for System Optimization	BWXT Y-12, LLC	$150,000
Wirth, Brian	Plasma Science Center: Bridging the PSI Knowledge Gap through Multiscale Material	University of California-Berkeley	$300,000
Wirth, Brian; Xu, Donghua	Investigating the Behavior of Radiation Tolerant Nanoscale Interfaces	Pacific Northwest Laboratory (AS400)	$77,000
COLLEGE OF SOCIAL WORK			
Campbell, Paul; Cunningham, Maryanne	City of Oak Ridge Telephone Survey	City of Oak Ridge	$8,050
Patterson, David	2011 City of Knoxville Community Development Block Grant	City of Knoxville Community Development Division	$10,000
CAMPUS CENTERS & INSTITUTES			
Sayler, Gary; Cox, Chris; Jouline, Igor; Smith, Jeremy; Stewart, Charles	Cellulosic Biomass Deconstruction, Characterization and Modeling	UT-Battelle - ORNL	$300,000
OTHER			
Paciello, Jillian; Simerly, Emily	Safe-T Begins with Me: Educating the University of Tennessee Community	TN Dept. of Transportation-Governor's Highway Safety	$2,811
Woods, Clifton	Agreement for Technical Support	Exxon Chemical Co.	$56,000

RECOGNITIONS

Jerome Baudry, assistant professor in biochemistry, cellular, and molecular biology, and post-doc **Yinglong Miao**, have received publicity for computer simulations they did on the way water molecules move in a class of enzymes called P450.

Ben Xue, professor of chemistry, recently edited the December issue of *Science China Chemistry* on the International Year of Chemistry. Xue was appointed associate editor for the periodical last year. **David Jenkins**, assistant professor of chemistry, contributed questions to an interview of Nobel laureate Robert Grubbs that was included in the issue.

Irene Abia, who received her PhD in chemistry in December 2011 has been named to the Younger Chemists Committee of the American Chemical Society. Abia, a native of Cameroon, was mentored by **David Baker**, professor in UT's chemistry department. She has taken a teaching assistant professorship of chemistry at the University of Mississippi.

Alan Cramer, third-year graduate student in the research group of **David Jenkins**, assistant professor of chemistry, has published a paper on synthesis of aziridines in the *Journal of the American Chemical Society*. Jenkins is coauthor on the paper.

Psychology graduate student **Kevin Zabel** has received a dissertation research scholarship of $1,000 from the American Psychological Foundation/Council of Graduate Departments of Psychology. Zabel works with **Michael Olson**, associate professor of psychology.

The University of Tennessee, Knoxville, is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution. *Awards & Recognition* is published on alternate weeks for the faculty of UT Knoxville by the Office of Research with assistance from UT Creative Communications. Job #9201
For submissions or information, contact **Bill Dockery** by e-mail at **dockeryb@utk.edu** or call 865-974-2187. Archived online at **http://research.utk.edu/news**.