



7-28-2010

Office of Research, Awards & Recognition, July 28, 2010

University of Tennessee Office of Research

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AWARDS AND RECOGNITIONS

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JULY 28, 2010

AWARDS FOR JULY 2-22, 2010

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Decorse, Elizabeth Kellar	Continued Archaeological Investigation at Site 31SW393, Smokemont, Swain County, North Carolina	US Dept. Interior - NPS - Great Smoky Mountains National Park	\$22,976
Decorse, Elizabeth Kellar	Geophysical Cemetery Consultation, Fayetteville, Lincoln County, Tennessee	Prosperity Associate Reformed Presbyterian Church	\$1,000
Kabalka, George W.	Neutron Imaging for the Determination of Tumor Margins	UT-Battelle - ORNL	\$9,250
Kamyshkov, Yuri; Bugg, William; Efremenko, Yuri; Handler, Thomas; Siopsis, George; Spanier, Stefan; Ward, Bennie	Elementary Particle Interactions	US Department of Energy - Golden Field Office	\$640,000
Mays, Jimmy W.	Acquisition of Instrumentation for Temperature Gradient Interaction Chromatography of Complex P	Department of Defense	\$105,778
Moersch, Jeffrey E.	Modeling and Characterization Studies of a Rover-Based Neutron Detector with Applications to Mars	NASA - Jet Propulsion Laboratory - California Institute of Technology	\$30,000
Peterson, Cynthia B.	Analysis of Proteomic and Genomic Data	UT-Battelle - ORNL	\$28,683
Shen, Jian	LSU Subcontract to UT Physics for Portion of DOE SISGR Project	Louisiana State University	\$56,377
Xue, Ziling	Novel Methods for Chromium and Vanadium Analyses in Biological Fluids	NIH - Center for Scientific Review	\$185,551
COLLEGE OF COMMUNICATION & INFORMATION			
Tenopir, Carol; Allard, Suzanne; Normore, Lorraine; Singh, Vandana	CESU-Increasing Biodiversity Information Sources (BIS): Technical Assistance & Support for Delivery and Technology Transfer	US Geological Survey National - Biological Information	\$157,298
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Brewer, Ernest W.	Upward Bound Math and Science Competition	US Department of Education	\$297,034
Bursten, Bruce; Benner, Susan; Rider, Robert; Riechert, Susan	VolsTeach Program	The UTeach Institute	\$1,825,000
Gardner, Diane P.	Oregon Adult Basic Skills Content Standards Plan 2009-2010	State of Oregon	\$12,505
Skolits, Gary J.	Evaluation of THEC/College Access Challenge Grant Program	Tennessee Higher Education Commission	\$88,001
COLLEGE OF ENGINEERING			
Dongarra, Jack	MCDA: Collaborative Research: A Multi-Element & Multi-Objective Optimization Approach for Allocating Tasks to Multi-Core Processors	Semiconductor Research Corporation	\$10,000
Fathy, Aly	Wideband Metamaterial Antennas Integrated into Composite Structures	Applied Nanotech, Inc.	\$21,000
Fathy, Aly; Gao, Yanfei	3D Multi-Physics Modeling and Codesign of Microelectronic System	Agilent Technologies, Inc.	\$45,000
Han, Lee D.	UT-NHTS Distance Calculations	UT-Battelle - ORNL	\$19,253
Hu, Bin	CAREER: Research and Education in Development of Organic Spintronics Based on Spin Injection and Modification of Spin-Orbital Coupling in Magnetic Org	National Science Foundation	\$6,000
Islam, Syed K.	Miniaturized Wireless Implantable Biosensors for Multiple Analyte Monitoring	University of Connecticut	\$54,500
Keffer, David; Cui, Shengting; Edwards, Brian; Paddison, Stephen	A Unified Computational, Theoretical, and Experimental Investigation of Proton Transport through the Electrode/Electrolyte Interface of Fuel Cell Membrane	US Department of Energy - National Energy Technology	\$275,000
Komistek, Richard; Mahfouz, Mohamed	Innovative Tools for In Vito Computational Prediction of Lumbar Stresses	NIH - National Institute for Arthritis & Musculoskeletal and Skin Diseases	\$438,775
Maldonado, Guillermo Ivan	High Fidelity Neutronic and Depletion Simulations for the High Flux Isotope Reactor	UT-Battelle - ORNL	\$19,000
Miller, William Anthony	Study of the Ventilation of Residential Attics: Is Ventilation Necessary?	UT-Battelle - ORNL	\$32,500
Qi, Hairong; Cao, Qing Charles	NeTS Small: Distributed Solutions to Smart Camera Networks	National Science Foundation	\$395,000
Ruggles, Arthur	HFIR Target Assessments	UT-Battelle - ORNL	\$13,805
Ruggles, Arthur; Icove, David	Computer Fire Modeling for Nuclear Engineering Professionals	Nuclear Regulatory Commission	\$48,121
Zawodzinski, Thomas Anthony	Extended, Continuous Platinum Nanostructures in Thick, Dispersed Electrodes	National Renewable Energy Laboratory	\$164,504

AWARDS FOR JULY 2–22, 2010 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF NURSING			
Bell, Donald M.	Expanding the Nurse Anesthesia Program to Increase Access to Quality for the Rural and Underserved	Health Resources and Services Administration	\$320,336
Creasia, Joan L.	Advanced Education Nursing Traineeship	Health Resources Services Administration	\$55,822
Lee, Jan L.	Nurse Faculty Loan Program (NFLP)	Health Resources and Services Administration	\$63,065
Lee, Jan L.	ARRA: Nursing Faculty Loan Program (NFLP) 2010-2011	Health Resources and Services Administration	\$27,094
COLLEGE OF SOCIAL WORK			
Campbell, Paul M.	Tennessee's Child Support Employment and Parenting Program - Knox County District	TN Dept of Human Services	\$227,072
Campbell, Paul M.; Cunningham, Maryanne Lynch	Child Care Quality Parent Education Campaign Survey	Signal Centers, Inc	\$23,756
Wodarski, John S.	HIV/AIDS and Substance Abuse Primary Prevention in Minority Adolescents	Substance Abuse & Mental Health Services Adm (SAMSA)	\$335,333
Wodarski, John S.	The East Tennessee Assertive Adolescent Family Treatment Program	Substance Abuse & Mental Health Services Adm (SAMSA)	\$297,920
CAMPUS CENTERS & INSTITUTES			
Browning, Brian Edward	Closed-Circuit Television System (R010138016 Advance Acct)	Knox County Health Department	\$21,000
Briscoe, Connie; Burroughs, Marci; Mallinckrodt, Brent; Reilly, Daniel	VolAware Suicide Prevention Initiative - A Collaborative Approach to Addressing Mental Health	Substance Abuse & Mental Health Services Adm (SAMSA)	\$99,999
Wilt, Catherine Anita; Geibig, Jack R.	Identification and Analysis of Product Exchange Information in the Building Products Sector	United Nations Environment Program	\$46,857
Woods, Clifton	Agreement for Technical Support	Exxon Chemical Co. - Polymers Licensing Mgr	\$56,000
Dahlin-Brown, Nissa D.; Gibson, Amy Kay	Knox County Election Commission: College Student Poll Worker Program	US Election Assistance Commission	\$61,000
Johnson, Jacqueline Anne	Study of the Evolution of Nanoparticle Crystallization and Optical Properties in Glass Ceramics	National Science Foundation	\$289,108
Muratore, John Francis	J85 Jet Engine Test Stand #2 Control Room Support	Aerospace Testing Alliance	\$10,000
Murray, George M.	Soluble Molecularly Imprinted Polymers for Biomedical Applications	Columbia BioSystems, Inc	\$204,056

RECOGNITIONS

J.A.M. "Toby" Boulet, associate professor of mechanical engineering, has been appointed by Gov. Phil Bredesen to one of the faculty seats on the University of Tennessee Board of Trustees.

Carol Costello, professor in the retail, hospitality and tourism management department, has been named the 2010 Tennessee Hospitality Educator of the Year by the Tennessee Hospitality Association.

T.K. Davis, associate professor in the College of Architecture and Design, has been named to the board of directors of the Nashville Civic Design Center. He is also a former design director for the organization.

Yanfei Gao, assistant professor of materials science and engineering, was part of an ORNL research team recognized by R&D Magazine's annual R&D 100 Awards. The team's invention — High-performance, high-Tc superconducting wires enabled via self-assembly of non-superconducting columnar defects — was honored as one of the 100 most technologically significant new products of 2010.

Erec R. Koch, head of modern foreign languages and literatures, and **Gilya Schmidt**, professor in religious studies, have received support for adding elementary and intermediate Arabic language courses, the infusion and enhancement of Arabic cultural information in appropriate courses, and the development of a gateway course for a possible Arab studies minor or major, as well as exchange programs with the Arab world.

Jeff Moersch, associate professor of earth and planetary sciences, has been named an editor of *Icarus*, the journal of the Division for Planetary Sciences of the American Astronomical Society and the oldest journal dedicated to planetary science. Moersch will be the editor for journal content related to Mars.

UT Knoxville Invention Disclosures for June 2010

Total supply capability for distribution systems, by **Fanxing Li** and **Jun Xiao**

CarbonFlex by **Thomas Attard**

FutureLens by **Michael W. Berry**, **Andrey A. Pureskiy** and **Gregory L. Shutt**

WANTED: News & Nominations

The UT Office of Research is seeking research news and opportunities, scholarly and professional recognition, and nominations for "Scholar of the Week."

Send items for either *News & Opportunities* (the green newsletter) or *Awards & Recognitions* (the gold newsletter) to Craig Cook (ccook10@utk.edu), preferably by the Wednesday preceding the expected publication date.

To nominate a colleague for "Scholar of the Week," send a note to Dennis McCarthy (dmmccarthy@utk.edu).

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