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Awards and Recognitions

Office of Research & Engagement

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8-12-2009

## Office of Research, Awards & Recognition, August 12, 2009

University of Tennessee Office of Research

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## AWARDS AND RECOGNITIONS

<http://research.utk.edu>

AUGUST 12, 2009

### AWARDS FOR JULY 24–AUGUST 6, 2009

INVESTIGATOR	TITLE	SPONSOR	AWARD
<b>COLLEGE OF ARTS &amp; SCIENCES</b>			
Baker, David C.; Best, Michael Douglas	ARRA: Multi Carbohydrate-Protein Binding on Surfaces with Defined Density and Valency that Mimic Cellular Membranes	National Science Foundation	\$450,000
Dean, David Jarvis; Nazarewicz, Witold; Nazarewicz, Pawel	RIKEN/RIA Theory Center	US Department of Energy - National Energy Technology	\$11,000
Emery, Joshua Patrick	Near-Infrared Spectroscopy and Photometry of Primitive Asteroids	NASA - Headquarters Washington, DC	\$66,865
Fedo, Christopher Mark	Geochemical and Iron Isotopic Investigation of Precambrian Banded Iron Formation (3.8-1.9 Ga)	NASA - Headquarters Washington, DC	\$67,434
Feigerle, Charles S.	Ultrafast Laser Spectroscopy of Surfaces	UT-Battelle - ORNL	\$5,547
Ferrell, Thomas L.	Explosive Vapor Detection	UT-Battelle - ORNL	\$22,446
Finkelstein, David; Lewis, Daniel; Grissino-Mayer, Henri	Doctoral Dissertation Research: Multiproxy Analysis of Tropical Cyclones and Climate Variability at Big Thicket National Preservation	National Science Foundation	\$8,250
Grzywacz, Robert Kazimierz	Comprehensive Beta Decay Measurements of Very Neutron Rich Nuclei	Rutgers - The State University of New Jersey	\$222,373
Hix, William Raphael	Continued Explorations of the Nucleosynthesis of Core Collapse Supernovae	National Science Foundation	\$80,900
Hollenbach, Kandace Renee	Phase I Geomorphic Examination of the SR-117 Bridge Replacement	TN Valley Archaeological Research	\$5,361
Mallinckrodt, Brent Stephen	Practicum Experience in Clinical Psychology for Students	Cherokee Health Systems	\$10,000
McNulty, James Kevin	Differentiating between Global and Specific Marital Expectancies	NIH	\$73,500
Papenbrock, Thomas Franz	Structure of Rare Isotopes	US Dept. of Energy - Energy and Technology	\$90,000
Schulze, Timothy P.	FRG: Collaborative Research: Modeling and Computation of Crystalline Nanostructures	National Science Foundation	\$211,351
Shpak, Elena D.	Dissection of the ERECTA Receptor-Like Kinase Signaling Pathway in Arabidopsis	National Science Foundation	\$170,000
Stuart, Gregory L.	Brief Intervention to Reduce Drinking and Intimate Partner Violence in Women	NIH - National Institute on Alcohol Abuse and Alcoholism	\$445,989
Taylor, Lawrence A.	The Moon as Cornerstone to the Terrestrial Planets: The Formative Years	Brown University - Office of Sponsored Projects	\$17,400
Weitering, Hanno H.	Joint Faculty	UT-Battelle - ORNL	\$20,424
Welsh, Deborah P.	Practicum Experience in Clinical Psychology for Students	Cherokee Health Systems	\$5,000
Welsh, Deborah P.	Practicum Experience in Clinical Psychology for Students	Cherokee Health Systems	\$50,000
Welsh, Deborah P.	Practicum Experience in Clinical Psychology for Students	Parkwest Medical Center	\$5,000
Welsh, Deborah P.	Practicum Experience in Clinical Psychology for Students	Parkwest Medical Center	\$30,000
Xiong, Jie	Some Related problems for Stochastic Partial Differential Equations & Backward Stochastic Differential Equations	National Science Foundation	\$117,294
<b>COLLEGE OF BUSINESS ADMINISTRATION</b>			
Luna, Leann; Fox, William F.	Financial Evaluations on Licensed Child Care Agencies in the State of TN	State of Tennessee	\$110,414
Schrivver, William R.	Construction Industry Information and Construction Inspections - OSHA	US Department of Labor-Financial Services Center/OASAM	\$45,007
<b>COLLEGE OF COMMUNICATION &amp; INFORMATION</b>			
Suttles, Barbara C.	Genome Management Information System - Web Communications Expert	UT-Battelle - ORNL	\$10,000
Tenopir, Carol	Evaluating Usage/Impact of E-Journals in the UK: Phase II	University College London	\$20,277
<b>COLLEGE OF EDUCATION, HEALTH &amp; HUMAN SCIENCES</b>			
Hallam, Rena Ann	Signal Centers-CCRR-Hallam	Signal Centers, Inc	\$1,005,142
Spence, Marsha Lynn	Monroe County Schools Coordinated School Health Program Project	Monroe County	\$2,504

## AWARDS FOR JULY 24–AUGUST 6, 2009 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
<b>COLLEGE OF ENGINEERING</b>			
Becher, Paul Fredric	Atomistically Informed Materials Design of Ultrahigh Temperature Ceramics for Improved	University of Houston	\$82,360
Dongarra, Jack; Kurzak, Jakub	CPA-Parallel Algebra Software for Multiprocessor Architectures (PLASMA)	National Science Foundation	\$127,040
McHargue, Carl J; Barabash, Rozaliya I.	X-Ray Diffuse Scattering- 2	UT-Battelle - ORNL	\$32,625
Pharr, George M.	Joint Faculty	UT-Battelle - ORNL	\$70,522
Wang, Xiaorui	ARRA: CSR:Small: A Control-Theoretic Approach to Simultaneously Meeting Timing and Power/Thermal Cons	National Science Foundation	\$219,516
<b>COLLEGE OF NURSING</b>			
Wyatt, Tami Hodges; Li, Xueping	Usability Testing Okay with Asthma V.2.0: An Interactive Narrative Asthma Program	NIH - Center for Scientific Review	\$70,994
<b>COLLEGE OF SOCIAL WORK</b>			
Campbell, Paul; Cunningham, Maryanne Lynch; Black, Brenda	Families First	TN Dept of Human Services	\$21,378
<b>CAMPUS CENTERS &amp; JOINT INSTITUTES</b>			
Ahern, Sean D.; Klasky, Scott A.; Huang, Jian	ARRA: NCS Remote Data Analysis and Visualization Center	National Science Foundation	\$4,215,151

## RECOGNITIONS

**L. A. Boatner**, adjunct professor in the Department of Materials Science and Engineering, has been named a Fellow of the Materials Research Society. Boatner's citation is for "pioneering, sustained, and innovative contributions to the fundamental understanding, processing and applications of single crystals, nanocomposites, rare-earth and actinide compounds and scintillators."

**Gordon Burghardt**, professor of psychology, was quoted in a recent issue of *Monitor on Psychology*, a publication of the American Psychological Association. In the article, "What's fun for a wasp?," Burghardt provides a definition of animal play. The article features particular discussion of wasps and is based on a recent study published in the *Journal of Comparative Psychology*, a journal edited by Burkhardt.

**Alvin G. Burstein**, professor emeritus of psychology, was quoted in a recent article in *The New York Times* titled "A Rorschach Cheat Sheet on Wikipedia?"

**Russell Crook**, assistant professor of management, recently led a session on negotiating contracts as part of the Entrepreneurship Boot Camp for Veterans with Disabilities (EBV). The EBV is an educational initiative that offers training in the fundamentals of entrepreneurship and business ownership to U.S. military members disabled as a result of their military service in post-September 11 conflicts.

A journal article co-authored by **Nalin C. P. Edirisinghe**, professor in the Department of Statistics, Operations, and Management Science, was selected as one of the 50 best articles published in 2008 in the field of management science. The article, "Portfolio Selection under DEA-based Relative Financial Strength Indicators: Case of US Industries," was published in the *Journal of the Operational Research Society*.

**Marcia Goldenstein** and **Thomas Riesin**, professors in the School of Art, are currently exhibiting their work at Beihang University in Beijing, China. Riesin has also been teaching and lecturing at Beihang University this summer.

**Daniel Simberloff**, professor of environmental science, was quoted in a recent Associated Press article titled "Predators Battle Bugs, Become Pests Themselves."

**Karen Wetherall**, director of the dietetic internship program for the Department of Nutrition, has been named outstanding dietician of the year for the Tennessee Dietetic Association. She also recently received the Visionary Award from the Eating Disorders Coalition of Tennessee.

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**Zi-Ling (Ben) Xue**, professor of chemistry, with co-researchers **Julia K.C. Abbott** and Liting Li have fitted the last piece in the chemical puzzle that led to a Nobel Prize in chemistry for Richard Schrock. In a paper published in the *Journal of the American Chemical Society* and covered by *Chemical Engineering News*, Xue and company confirmed that pentaneopentyltantalum is a precursor compound in the formation of tantalum alkylidene, one of the little known but crucial components in the chemistry of olefin metathesis catalysis. Xue had made a fleeting identification of the substance in his research 14 years ago but just recently confirmed its existence.

**Laura Widman** and **Ellen Harvey Williams**, graduate students in psychology, have received American Psychological Association Dissertation Research Awards of \$1,000 for costs associated with their dissertations.

### 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 & Recognition* (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).