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Awards and Recognitions

Office of Research & Engagement

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University of Tennessee Office of Research

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AWARDS AND RECOGNITIONS

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JULY 3, 2012

AWARDS FOR JUNE 2–22, 2012

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Breinig, Marianne	Science of the Plasma-Materials Interface at Extreme Conditions	DOE - UT-Battelle - ORNL	\$4,463
Breinig, Marianne	Studies of Optical Phase Response of Materials	DOE - UT-Battelle - ORNL	\$2,000
Camden, Jon	Surface Enhanced Raman Spectroscopy	Eastman Chemical Co.	\$1,500
Cyr, Howard	Geochemical Analysis of Ornamental Tree Clumps and Oval Flower Beds	The Corporation for Jefferson's Poplar Forest	\$6,741
DeCorse, Elizabeth	Archival Research of Small Pox Hospital and Cemetery and Mapping	City of Knoxville	\$8,403
Guidry, Michael	Neutron Image Modeling	DOE - UT-Battelle - ORNL	\$13,535
Hollenbach, Kandace	Archaeological Subsistence Analysis, WR Oxford Project, Calhoun County, Alabama.	Spectrum Environmental Services, Inc.	\$18,081
Hughes, Karen; Petersen, Ronald	Digitization TCN: Collaborative: The Macrofungi Collections Consortium	New York Botanical Garden	\$46,548
Kabalka, George	Synthesis of UV Active Blood Flow Agents	DOE - UT-Battelle - ORNL	\$130,354
Kabalka, George	Organic Dyes - 900 nm Project	DOE - UT-Battelle - ORNL	\$9,245
Loeffler, Frank; Ritalahti, Kirsti	Towards Predictive Understanding of Nitrogen Flux in Soils	DOE - US Dept. of Energy	\$477,724
Mays, Jimmy	Collaborative Research: Synthesis and Rheology of Strategically-Designed Long-Chain-Branched Polymers	University of Michigan	\$40,000
McCracken, Gary; Simberloff, Daniel	Effects of Invasive Goats on the Pacific Sheath-Tailed Bat	Bat Conservation International	\$3,500
McSween, Harry	THEMIS Science Team Member for Mars Odyssey Spacecraft	Arizona State University	\$60,000
Moreo, Adriana; Dagotto, Elbio	Computational Studies of Model Hamiltonians for Pnictides and Multiferroic	National Science Foundation	\$140,000
Nicoara, Remus	The Tenth East Coast Operator Algebras Symposium	National Science Foundation	\$26,080
Podar, Mircea	From Genomes to Metabolomes: Understanding Mechanisms of Symbiosis	US Department of Energy - Office of Science	\$429,019
Prosser, Rebecca	Novel Pharmacology Studies on the Suprachiasmatic Nucleus	Orphagen Pharmaceuticals, Inc.	\$45,713
Roberts, Daniel	The Role of Host Proteins in HC-Pro Suppression of Silencing	University of South Carolina	\$58,660
Sanders, Nathan	Impacts of Elevated Temperature on Ant Species, Communities, and Ecological Roles	North Carolina State University	\$37,269
Sorensen, Soren; Read, Kenneth	Studies of Hot and Dense Nuclear Matter	US Department of Energy	\$310,000
COLLEGE OF COMMUNICATION AND INFORMATION			
Fitchpatrick, Steven	Scientific Presentations Workshop	DOE - UT-Battelle - ORNL	\$18,899
Suttles, Barbara	Support for Computational Science and Engineering Division	DOE - UT-Battelle - ORNL	\$268,718
Suttles, Barbara	Support for Computational Science and Engineering Division	DOE - UT-Battelle - ORNL	\$32,960
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Hillyer, Sarah; Huffman, Ashleigh	Mission Possible: Empowering Women and Girls Through Sport	U.S. Department of State	\$1,203,000
Raynor, Hollie	Enhancing Sleep Duration: Effects on Children's Eating and Activity Behaviors	Miriam Hospital	\$11,409
Skolits, Gary; Robinson, Stephanie	The Tennessee College Access and Success Network Evaluation	Tennessee College Access and Success Network	\$15,000
COLLEGE OF ENGINEERING			
Dongarra, Jack	Matrix Algebra for GPU and Multicore Architectures (MAGMA) for Large Petascale	US Department of Energy	\$150,000
Han, Lee	Transportation Security and Energy Efficiency Research Support	DOE - UT-Battelle - ORNL	\$10,805
He, Qiang	Functional Analysis of Biofilms in Premise Plumbing	National Science Foundation	\$2,000
He, Qiang	Water Sampling of Microbial Populations in Catfish Ponds at Mississippi Delta	Mississippi State University College of Vet Medicine	\$5,000
Holleman, Jeremiah; McCracken, Gary	IDBR: Bat-Mounted Recording and Wireless Transmission of Ultrasonic Calls	National Science Foundation	\$397,103
Hu, Bin	Magneto-Optical Studies of Charge Dissociation, Transport, and Collection	National Science Foundation	\$6,000
Hu, Bin	Electromagnetic Responses and Thermoelectric Devices	UES, Inc.	\$25,000
Irick, David; Madhukar, Madhu	ITER Magnet Systems Development	DOE - UT-Battelle - ORNL	\$3,510
Keffer, David; Bruce, Barry; Frymier, Paul; Khomami, Bamin; Rawn, Claudia	IGERT: STAIR - Sustainability Through Advanced Interdisciplinary Research	National Science Foundation	\$591,264

AWARDS FOR JUNE 2–22, 2012 (CONT.)

INVESTIGATOR	TITLE	SPONSOR	AWARD
Mandrus, David	Studies of Correlated Electron Materials	DOE - UT-Battelle - ORNL	\$4,470
Nguyen, Ke	Engine Friction	DOE - UT-Battelle - ORNL	\$8,709
Rack, Philip	Molecular Scale Engineering and Nanoscale Technologies	DOE - UT-Battelle - ORNL	\$10,000
Tolbert, Leon	Power Electronics Evaluation for DER and T & D	DOE - UT-Battelle - ORNL	\$45,359
Tolbert, Leon	Load Participation in Ancillary Services	DOE - UT-Battelle - ORNL	\$18,832
Townsend, Lawrence	Lunar Reconnaissance Orbiter Measurement Investigation Science Mission Phase	University of New Hampshire	\$58,430
Weber, William; Sickafus, Kurt; Zhang, Yanwen	Radiation and Thermal Effects on Used Nuclear Fuel and Nuclear Waste Forms	Battelle Energy Alliance, LLC	\$770,000
Wirth, Brian	A Multiscale Investigation of the Mechanisms Controlling Materials Degradation	US Department of Energy - Office of Science	\$175,000
Zhang, Mingjun	Ivy Adhesive Nanoparticles for Bio-Medical Applications	National Science Foundation	\$2,000
Zhang, Mingjun; Bewick, Sharon	Mechanics of the Adhesive Properties of Ivy Nanoparticles	DOD - Department of the Army	\$108,158
Zhang, Yanwen; Weber, William	Better Radiation Response and Accident Tolerance of Nanostructured Ceramic Fuel	Battelle Energy Alliance, LLC	\$815,000
COLLEGE OF SOCIAL WORK			
Glisson, C.; Cheatham, J.; Dukes, D.; Green, P.; Hemmelgarn, A.	Testing an Organizational Implementation Strategy in Children's Mental Health	NIH - National Institute of Mental Health	\$585,282
CAMPUS CENTERS & INSTITUTES			
Harrison, Robert	Miller Single Mode Fibers	DOE - UT-Battelle - ORNL	\$10,433
Harrison, Robert	Statistical Methodologies Pertaining to Human Health	DOE - UT-Battelle - ORNL	\$4,441
Harrison, Robert	RAMS 2012	DOE - UT-Battelle - ORNL	\$100,516
Harrison, Robert	Climate Change Strategy	DOE - UT-Battelle - ORNL	\$38,296

Nominate a Scholar of the Week

The UT Office of Research presents the Scholar of the Week award to faculty members, graduate students, and undergraduates in recognition of significant research, scholarship, and creative accomplishments.

Faculty Eligibility

Faculty scholars can be nominated only by deans, department heads, or other faculty members. They must be recognized by peers as independent, original, and substantive researchers in one of the following areas:

- Publication of original research in rigorously refereed major journals
- A major exhibit or performance at a national or international venue
- A record of national grant or fellowship support awarded through peer review
- National or international prizes or awards
- Invitation to hold endowed lectureships
- Invited lectures, particularly at major scholarly meetings

Student Eligibility

Student scholars may be nominated by deans, department heads, faculty, or other students who have validating information. They must be recognized by peers as independent and original researchers in one of the following areas:

- Publication of original research in refereed journals
- A major exhibit or performance at a national or international venue
- A record of national fellowship support
- National or international prizes or awards
- Other significant scholarly achievement recommended by the faculty mentor

Contact: Alan Rutenberg (arutenberg@utk.edu)

Visit quest.utk.edu/scholar-of-the-week for details.

RECOGNITIONS

Katharine Barnett, instructor in English, has been awarded an American Council of Learned Societies Mellon Dissertation Completion award to work on "The Dixie Plantation State: Antebellum Fiction and Global Capitalism."

Cindy Davis, associate professor in the College of Social Work, has been named a senior Fulbright specialist. She will spend a month in at two institutions on the island of Borneo presenting lectures and workshops on women's health, refugee issues, and related topics.

Kivanc Ekici, assistant professor in mechanical, aerospace, and biomedical engineering, is a corecipient of the John P. Davis Award for best paper of the year from the American Society of Mechanical Engineers' International Gas Turbine Institute. Ekici and coauthors received the honor for the paper, "Nonlinear Flutter in Fan Stator Vanes with Time Dependent Fixity" at the 2012 Turbo Expo in Copenhagen.

Annette Engel, associate professor of earth and planetary sciences, has been elected a fellow of the Geological Society of America.

David Wolitz, professor in the College of Law, recently moderated a panel on international and comparative criminal law at the American Society of Comparative Law's "New Perspectives in Comparative Law" conference in Washington, D.C.

Don't be too modest! Let us brag on your behalf.

The UT Office of Research is looking for news of honors, offices, notable presentations, and other recognitions that you or your colleagues may get during the summer months. Please share any positive news with Bill Dockery (dockeryb@utk.edu) for publication in the *Awards & Recognitions* newsletter.