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Office of Research, Awards & Recognition, September 5, 2012

University of Tennessee Office of Research

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# Awards and Recognitions

**Awards for August 9–23, 2012**

**September 5, 2012**

**http://research.utk.edu**

## Awards and Recognitions

### Investigator | Title | Sponsor | Award
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**College of Arts & Sciences**

- **Alley, David; Cervone, Thomas**
  - A Raisin in the Sun
  - City of Knoxville
  - $10,000

- **Breinig, Marianne**
  - UT Research Assistant - Accelerator Physics
  - DOE - UT-Battelle - ORNL
  - $55,459

- **Breinig, Marianne**
  - Science of the Plasma-Materials Interface at Extreme Conditions
  - DOE - UT-Battelle - ORNL
  - $3,348

- **Burr, Devon**
  - An Integrated Study of the Evolution of Cerberus Fossae, Mars
  - University of Idaho
  - $36,098

- **Chen, Xia**
  - Random Walk in Random Media
  - Simons Foundation
  - $35,000

- **Freeman, Mark**
  - Working with Parks: New Content for the Park Museum Management Program (PMMP)
  - US Dept. of Interior - National Park Service Southeast Region
  - $4,000

- **Greene, Geoffrey**
  - Experimental Weak Interactions with Pulsed and Continuous Cold Neutrons
  - US Department of Energy
  - $300,000

- **Gross, Louis; Ahern, Sean; Gilchrist, Michael**
  - National Institute for Mathematical and Biological Synthesis (NIMBioS)
  - National Science Foundation
  - $199,986

- **Grzywacz-Jones, Katherine**
  - Spectroscopic Studies Close to 100Sn and 132Sn Using Direct Reactions and Gamma-Ray Measurement
  - US Department of Energy
  - $105,000

- **Guichon, Georges; Campagna, Shawn**
  - Separation of Highly Complex Mixtures by Two-Dimension Liquid Chromatography
  - US Department of Energy - Office of Science
  - $120,000

- **Jessup, Micah**
  - Collaborative Research: Shear Zone and Detachment Formation
  - National Science Foundation
  - $190,187

- **Levy, Jacob**
  - Practicum Experience for Counseling Psychology
  - Knoxville Family Justice Center
  - $8,500

- **Mazur, Peter**
  - Aquaporins, Ice Formation in Cells, and Cryopreservation
  - NIH - National Center for Research Resources
  - $255,567

- **Miles, Joseph**
  - Institutional Settings and the Transmission of Social Interaction
  - National Science Foundation
  - $37,001

- **Moore, Todd**
  - Practicum Experience for Clinical Graduate Student
  - Helen Ross McNabb Center
  - $10,000

- **Musfeldt, Janice**
  - Spectroscopic Investigations of Complex Magnetic and Electronic Materials
  - US Department of Energy
  - $20,000

- **Nazariewicz, Witold; Papenbrock, Thomas**
  - Nuclear Computational Low Energy Initiative (NUCLEI)
  - US Department of Energy - Office of Science
  - $210,000

### College of Business Administration

- **Cathey, Amy**
  - MBA Student Support for Y-12 National Security Complex
  - BWXT Y-12, LLC
  - $30,000

- **Degennaro, Ramon**
  - Student Research Fellowship
  - Charles Koch Foundation Undergraduate Programs
  - $7,000

- **Fox, William; Murray, Matthew**
  - Re-Estimate the Cost Differential Factor for the BEP
  - TN Department of Education
  - $10,000

- **Murray, Matthew**
  - Economic Forecast for TN Valley Region
  - Tennessee Valley Authority
  - $117,033

### College of Education, Health & Human Sciences

- **Brewer, Ernest**
  - Upward Bound (Pre-College) - Revision 1
  - US Department of Education
  - $396,632

- **Terry, Paul**
  - Study of Ovarian Cancer in African Americans
  - Duke University
  - $224,295

### College of Engineering

- **Armilli, Rao; Ekici, Kovanc**
  - Calcs. Rev. & Development of Improved COMSOL-Based 2-D Thermal-Hydraulic Model for HFIR Core
  - DOE - UT-Battelle - ORNL
  - $16,102

- **Bennett, Richard; Schletter, William; White, Betsy**
  - “Engage Spatial Skills Mini-Grant”
  - Stevens Institute of Technology
  - $2,500

- **Blalock, Benjamin**
  - A Circuit-Level Radiation Hardened-By-Design Approach for Standard CMOS
  - NASA - Headquarters
  - $65,405

- **Blalock, B.; Tolbert, L.**
  - Integrated Circuit Intelligent IGBT Gate Driver
  - IMRA
  - $150,000

- **Fathy, Aly**
  - Tampering Detection Devices by Using Conductive Fabrics
  - DOE - UT-Battelle - ORNL
  - $7,524

- **Frankel, Jay; Keyhani, Majid**
  - Transformative Calibration Method for Prediction of Surface Heat Flux
  - National Science Foundation
  - $249,916

- **Fu, Joshua**
  - Rural Economic Impacts of Green Energy Production from the Agricultural
  - UT Institute of Agriculture - AgResearch
  - $119,546

- **George, Easo**
  - Investigate Silicon Effects in DOP-26 Iridium Alloys
  - DOE - UT-Battelle - ORNL
  - $32,584

- **Gregor, Jens**
  - ALERT Project Task 6: Iterative Reconstruction Algorithms
  - Northeastern University
  - $90,000

- **Hall, Howard**
  - Strategic Analysis of Alternatives for Existing Deterrents and Vulnerabilities
  - DOE - UT-Battelle - ORNL
  - $77,000

- **Hazen, Terry**
  - Deep Sea Basin Microbiology
  - BP America
  - $3,120,000

- **Hines, J.**
  - National Academy Nuclear Training - Radiological Engineering
  - National Academy for Nuclear Training - Educational Assistance
  - $25,000

- **Li, Fangxing**
  - Economical Stability and Physical Stability Study for Controllable Load including PHEV
  - National Science Foundation
  - $12,000

- **Li, Husheng**
  - Wireless Communication Network Design for DEG Controls
  - DOE - UT-Battelle - ORNL
  - $52,046
his contributions to the science of psychology. He recently co-
named a fellow of the Association for Psychological Science for

todd Freeberg,

partial solution. Cable is professor of sociology.

contributes to environmental problems, rather than providing a

Sustainable Failures: Environmental Policy and Democracy in

sherry Cable

A book by

http://quest.utk.edu/scholar-of-the-week

Instructions for submitting nominations can be found online at

scholarly achievements recommended by a faculty mentor.

or international prizes or awards, or other significant

in refereed journals, a major exhibit or performance at a national

Faculty can be recognized for publication of original research in

our faculty members and students.

important research, scholarship, and creative accomplishment of

this award we recognize the recent

the UTK Office of Research. Through

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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.