5-28-2008

Office of Research, Awards & Recognition, May 28, 2008

University of Tennessee Office of Research

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<tr>
<th>Investigator</th>
<th>Title</th>
<th>Sponsor</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Mays, Jimmy W.</td>
<td>Distinguished Scientist</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$128,550</td>
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<tr>
<td>Weitering, Hanno H</td>
<td>Joint Faculty</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$40,981</td>
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<tr>
<td>Thompson, James R.</td>
<td>Formation and Properties of Superconductive and Magnetic Materials</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$69,122</td>
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<td>Eguluz, Adolfo G.</td>
<td>Joint Faculty</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$63,252</td>
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<td>Larsee, John Z.</td>
<td>Graduate Student Support for J. Larese Students</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$102,969</td>
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<tr>
<td>Schulze, Timothy P.</td>
<td>Integrated Multiscale Modeling of Molecular Computing Devices</td>
<td>US DEPARTMENT OF ENERGYGOLDEN FIELD OFFICE</td>
<td>$14,342</td>
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<tr>
<td>Peterson, Cynthia B.;Becker, Jeffrey M.</td>
<td>Developing Biological Imaging Techniques Using Scanning</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>($11,728)</td>
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<td>Compton, Robert N.</td>
<td>Electronic and Optical Properties of Single-Wall Carbon Nanotubes</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$11,261</td>
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<td>Nazarewicz, Witold</td>
<td>Theoretical Description of the Fission Process</td>
<td>US DEPARTMENT OF ENERGYGOLDEN FIELD OFFICE</td>
<td>$75,000</td>
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<td>Dagotto, Elbio Ruben</td>
<td>Distinguished Scientist</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$60,244</td>
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<td>Bingham, Carrol R.</td>
<td>Matching Funds - UT/ORNL Joint Institute</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$1,501,500</td>
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<td>Moreo, Adriana</td>
<td>Joint Faculty</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
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<td>Mora, Claudia I.;MCSWEEN, HARRY Y.</td>
<td>Chemical Behavior in Solid-Fluid Systems</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$3,019</td>
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<td>Egami, Takeshi</td>
<td>Atomic Study of Bulk Metallic Glasses</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$20,194</td>
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<td>Weitering, Hanno H.;Feigl, Charles S.</td>
<td>Theory and simulations of nanoscale materials</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$74,774</td>
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<td>Peterson, Cynthia B.</td>
<td>Graduate Research Associate</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$48,407</td>
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<td>Peterson, Cynthia B.</td>
<td>Mammalian Research - Beckmann, Spence, Shaw, Easter</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$126,713</td>
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<td>Ferrell, Thomas L.</td>
<td>Apertureless Near-Field Desorption/Ionization Mass Spectrometry</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$27,792</td>
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<td>Ferrell, Thomas L.</td>
<td>Develop Microcantilever Sensors for Environmental Monitoring</td>
<td>UT-Battelle - Oak Ridge National Laboratory</td>
<td>$36,766</td>
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<td>Lelio, David Jarvis, Nazarewicz, Witold, Papenbrock, Thomas Franz</td>
<td>UNEDF Universal Nuclear Energy Density Functional</td>
<td>University of Washington</td>
<td>$124,000</td>
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<td>Reynolds, Todd B.</td>
<td>Role of the OPII Gene in Controlling Viability in Candida Glabrata</td>
<td>NIH - National Institute of Allergy and Infectious Diseases</td>
<td>$67,607</td>
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<td>Peterson, Cynthia B.</td>
<td>Analysis Of Proteomic And Genomic Data</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
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<td>Wilhelm, Steven W.</td>
<td>Phylogenetic Analysis and Physiological Characterization of Isorophinid Edrioasteroids</td>
<td>Other non-Tennessee educational institutions non-specified</td>
<td>$14,999</td>
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<td>SEPIANI, MICHAEL J.</td>
<td>Microcantilever Transducers: Hydrogen Detection</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$10,000</td>
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<td>HERRMANN, NICHOLAS P. KALAFSKY, RONALD VINCENT</td>
<td>Phase I Survey of Select Tracts on Nolichucky, South Holston Reservoirs</td>
<td>Tennessee Valley Authority</td>
<td>$24,856</td>
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<td>Sumrall, Colin D.;McKinney, Michael L.</td>
<td>An Investigation of Peramorphosis in Isorophinid Edrioasteroids</td>
<td>National Science Foundation</td>
<td>$137,697</td>
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<td>Taylor, Lawrence A.; Liu, Yang</td>
<td>Evolution of Planetary Crusts and Mantles: Moon and Mars</td>
<td>NASA - Headquarters Washington, DC</td>
<td>$110,000</td>
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<td>DECORSE, ELIZABETH KELLAR</td>
<td>Mapping &amp; Metal Detector Survey of the Third Creek Enclosure</td>
<td>City of Knoxville</td>
<td>$6,616</td>
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<td>HOLLENBACH, KANDACE RENEE DECORSE, ELIZABETH KELLAR</td>
<td>Paleoenvironmental Analysis of the Sh553, Shelby County, Ala</td>
<td>Other industry non-specified</td>
<td>$541</td>
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<td>HEATH, BARBARA JANE</td>
<td>Archaeological Proposals for the Tipton-Haynes State Historic Site</td>
<td>Tennessee Valley Authority</td>
<td>$5,176</td>
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<td>FOX, WILLIAM F.</td>
<td>Tnencare Patient Satisfaction Survey</td>
<td>State of Tennessee</td>
<td>$123,558</td>
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<td>SUTTLES, BARBARA C.; Sutles, Barbara C.</td>
<td>Genome Management Information System - Web Community</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$175,000</td>
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<td>Sutles, Barbara C.</td>
<td>Technical Support to the National Transportation Research Board</td>
<td>UT-Battelle, LLC-Oak Ridge National Laboratory</td>
<td>$29,719</td>
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Awards, College of Communication & Information' continued

Sustles, Barbara C. Support for Computational Science and Engineering Dept. UT-Battelle, LLC-Oak Ridge National Laboratory $46,732
Sustles, Barbara C. Genome Management Information System - Research Associate UT-Battelle, LLC-Oak Ridge National Laboratory $33,000
Sustles, Barbara C. Support to the ORNL Nuclear Science & Technology Division UT-Battelle, LLC-Oak Ridge National Laboratory $40,000

College of Education, Health & Human Sciences

Hayes, Gene A. Project TRIPS: Therapeutic Recreation in Public Schools TN Department of Education $94,198
Skinner, Amy L., Fussell, Elizabeth M., Martin Luecking, Debra Self-Determination and Career Planning Model TN Department of Education $34,650
White, Connie L. Tennessee Reading First Professional Development and Data Management TN Dept of Education $500,000
Raynor, Hollie Anne PRIDE: Program to Reduce Inconvenience by Diet and Exercise Miriam Hospital $31,466
Zemel, Michael B. Exploratory Research in Dairy in Weight Management and Dairy Management, Inc. $150,000
White, Connie L. Incorporating Physical Activity in the Classroom in Tennessee TN Dept of Education $15,735
Melear, Claudia T. Tennesse's Next Generation Tools for Standards-Based Instruction Middle Tennessee State University $2,000
Woolsey, Mary Lynn, Dunne, Patrick Lee Rehabilitation Counselor Education - Deafness Focus US Department of Education $100,000

College of Engineering

Mchargue, Carl J. Materials Characterization UT-Battelle, LLC-Oak Ridge National Laboratory $32,400
Mchargue, Carl J., Bai, Jianming X-Ray Diffraction Research at the National Synchrotron Light Source UT-Battelle, LLC-Oak Ridge National Laboratory $36,654
Choo, Hahn Joint Faculty UT-Battelle, LLC-Oak Ridge National Laboratory $45,583
Ruggles, Arthur E. Spallation Target Fluid-Dynamic Studies with Mercury and Gas UT-Battelle, LLC-Oak Ridge National Laboratory $80,000
Egami, Takeshi Distinguished Scientist UT-Battelle, LLC-Oak Ridge National Laboratory $60,306
Benson, Roberto S. Photoelectrochemical Dissociation of Water and Production UT-Battelle, LLC-Oak Ridge National Laboratory $47,918
Pharr, George M. Joint Faculty UT-Battelle, LLC-Oak Ridge National Laboratory $26,866
Alvic, Donald R. Bell, Larry L. Technical Support to ORNL/ESK (NASA-DAAC) UT-Battelle, LLC-Oak Ridge National Laboratory $101,295
Urbanki, Thomas II, Alvic, Donald R. Support to Transportation Policy Analysis Research Program UT-Battelle, LLC-Oak Ridge National Laboratory $18,712
McHargue, Carl J. Mechanisms for Materials Deformation Leading to Fracture UT-Battelle, LLC-Oak Ridge National Laboratory $5,415
Urbanki, Thomas II, Alvic, Donald R. DOE/EPA Fuel Economy Information UT-Battelle, LLC-Oak Ridge National Laboratory $42,636
Rack, Phillip D. Center for Nanophase Materials Science (CNMS) UT-Battelle, LLC-Oak Ridge National Laboratory $82,152
Urbanki, Thomas II, Alvic, Donald R. DOE/EPA Fuel Economy Information UT-Battelle, LLC-Oak Ridge National Laboratory $97,064
Rack, Phillip D. Joint Faculty UT-Battelle, LLC-Oak Ridge National Laboratory $11,666
Schwartz, John Steven Establishment of Functional Links between Sediment Conditions and Nutrient Dynamics USDA - Agricultural Research Service-Administrative Office $11,000
Urbanki, Thomas II Geographic Information System-based Highway Network Development UT-Battelle, LLC-Oak Ridge National Laboratory $6,860
Tolbert, Leon M. Finite Element Analysis of PM Machines with Field Weakening Controls UT-Battelle, LLC-Oak Ridge National Laboratory $39,632
Fu, Joshua S. Modeling of Air Pollutants Over the Pacific Regions (ICAP-P3): Air Quality Modeling Analysis in Taiwan and China and Development of AirControl Network System UT-Battelle, LLC-Oak Ridge National Laboratory $100,000
Urbanki, Thomas II Support to ORNL for DHS Development of Database and Laboratory UT-Battelle, LLC-Oak Ridge National Laboratory $5,013
Meek, Thomas T. Development and Characterization of Advanced Materials Utah - Office of Naval Research $25,100
DeSmit, Hans August Comprehensive Variable Speed Rotorcraft Propulsion System Pennsylvania State University $66,718
Penumadu, Dayakar - Weisman, Y. Jack Effect of Sea Environment on Sandwich Layups Navy - Office of Naval Research $11,000
McHargue, Carl J. Modeling and Simulation Studies In Support Of Nuclear Energy UT-Battelle, LLC-Oak Ridge National Laboratory $40,500
Armilli, RAO V. Direct-Cooled Power Electronics Substrate Designs UT-Battelle, LLC-Oak Ridge National Laboratory $14,000
Malin, Tsuneo Metal Rods In Water For Testing Rod Precipitation UT-Battelle, LLC-Oak Ridge National Laboratory $15,000

From the editor

The number of awards recorded from May through August was greater than the space available in this issue of awards & recognition. The remaining awards, as well as news of other faculty recognition, will be included in the next issue. Please continue to send news of professional accomplishments and honors to Bill Dockery (dockeryb@utk.edu) for future publication.

awards & recognition and news & opportunities are published on alternate weeks for the faculty of UT Knoxville by the UT Office of Research, 1534 White Ave., Knoxville, TN 37996-1529. Contact Bill Dockery (dockeryb@utk.edu, 865-974-2187). Archived at https://web.utk.edu/~editor/page.htm.