

**UTK Awards (May 3, 2013 - May 27, 2013)**

| INVESTIGATOR                                    | TITLE                                                                            | SPONSOR                                              | AWARD     |
|-------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------|-----------|
| <b>College of Arts and Sciences</b>             |                                                                                  |                                                      |           |
| Cousineau, Marie-Helene                         | Laser Stripping for High Intensity Proton Beams                                  | DOE - Office of Science                              | \$275,000 |
| Cyr, Howard                                     | Geoarchaeological In-Field Consultation at Thomas Jefferson's Poplar Forest. For | The Corporation for Jefferson's Poplar Forest        | \$2,904   |
| Decorse, Elizabeth                              | Archaeological Testing at the Sabine Hill State Historic Site, Elizabethton, Car | Tennessee Department of Environment and Conservation | \$40,000  |
| Decorse, Elizabeth                              | Pigeon Forge Mapping and Unit, Pigeon Forge, Sevier County, TN                   | The Old Mill                                         | \$2,907   |
| Emery, Joshua                                   | Accurate Insights On Multiple Asteroid Systems: Shape, Bulk Density and Formatio | SETI Institute                                       | \$20,068  |
| Grissino-Mayer, Henri                           | Collaborative Research: An International Professional-Development Workshop in De | NSF - National Science Foundation                    | \$9,067   |
| Hulsey, Christopher; Clemmensen, Sharon         | DISSERTATION RESEARCH: Phenotypic Plasticity and Evolution in the Pharyngeal Jaw | NSF - National Science Foundation                    | \$19,221  |
| Kabalka, George                                 | Synthesis of UV active blood flow agents                                         | DOE - UT-Battelle - Oak Ridge National Laboratory    | \$25,578  |
| Kabalka, George                                 | Organic Dyes - 900 nm Project                                                    | DOE - UT-Battelle - Oak Ridge National Laboratory    | \$25,225  |
| Kamyshkov, Yuri                                 | FNAL Visiting Scholars Programs                                                  | University Research Assoc                            | \$10,000  |
| Kelly, Nathan; Morgan, Jana                     | Money, Rhetoric, and the Public (Non)Response to Rising Inequality               | Russell Sage Foundation                              | \$85,292  |
| Mccracken, Gary; Gamba Rios, Melquisedec        | Bats at Cocos Island(Costa Rica): Assessment and Monitoring Cocos Island, Costa  | Sigma Xi                                             | \$550     |
| Musfeldt, Janice                                | Spectroscopic Investigations of Complex Magnetic and Electronic Materials        | DOE - US Dept. of Energy                             | \$152,762 |
| Prosser, Rebecca                                | Ethanol Effects on the Mammalian Circadian Clock                                 | DHHS - Department of Health and Human Services       | \$292,990 |
| Prosser, Rebecca                                | Novel Pharmacology Studies on the Suprachiasmatic Nucleus                        | Orphagen Pharmaceuticals, Inc.                       | \$23,000  |
| Spanier, Stefan                                 | Elementary Particle Interactions with CMS at LHC                                 | DOE - Office of Science                              | \$178,000 |
| Van Riemsdijk, Francoise                        | Governance of International Labor Migration: Scalar Politics and Network Relatio | NSF - National Science Foundation                    | \$5,910   |
| Zhao, Bin                                       | Travel Support for an ACS PMSE Symposium Entitled "Hairy Particles: Theory, Synt | NSF - National Science Foundation                    | \$4,000   |
| <b>College of Business Administration</b>       |                                                                                  |                                                      |           |
| Neilson, William                                | Show of Smarts: Audience Effects and Revealed Preferences for Perceived Intelle  | Russell Sage Foundation                              | \$2,400   |
| <b>College of Communication and Information</b> |                                                                                  |                                                      |           |
| Allard, Suzanne; Legg, James                    | Popular Science Writing Workshop Design for Tubitak-Turkey                       | TUBITAK BTDB                                         | \$13,667  |
| Suttles, Barbara                                | Genome Management Information System/Communications and Management Expert        | DOE - UT-Battelle - Oak Ridge National Laboratory    | \$4,437   |

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| Tenopir, Carol; Suttles, Barbara                                         | CCI Student Support to B&W Y-12                                                                 | DOE - BWXT Y-12                                   | \$12,170  |
| <b>College of Education, Health and Human Sciences</b>                   |                                                                                                 |                                                   |           |
| Fairhurst, Ann; Antun, John                                              | Culinary Training for Pellissippi State Community College - Associate Degree Pro                | Pellissippi State Community College               | \$461,700 |
| Kronick, Robert                                                          | University-Assisted Community School Project                                                    | Catholic Charities, USA                           | \$70,000  |
| Zhang, Songning                                                          | Biomechanical evaluations of a pressure off-loading boot                                        | DeRoyal Industries, Inc.                          | \$6,743   |
| <b>College of Engineering</b>                                            |                                                                                                 |                                                   |           |
| Alshibli, Khalid                                                         | 3D Assessment of Particle Morphology and its Influence on Friction, Dilatancy, a                | NSF - National Science Foundation                 | \$10,000  |
| Berry, Michael                                                           | Predicting Contagious Disease Outbreaks with Social Media                                       | University of Tennessee - Health Science Center   | \$16,537  |
| Boder, Eric                                                              | Understanding and Controlling Viral Membrane Fusion Proteins                                    | NSF - National Science Foundation                 | \$320,000 |
| Boulet, Joseph                                                           | Y-12 Sponsored Senior Design Project                                                            | DOE - BWXT Y-12                                   | \$10,000  |
| Duscher, Gerd                                                            | Atomic-scale Investigation of Energy Materials                                                  | DOE - UT-Battelle - Oak Ridge National Laboratory | \$19,337  |
| Edwards, Brian; Dalhaimer, Paul; Wu, Jie; Rawn, Claudia; Griffin, Travis | Scholarships for Engineering Students from Underrepresented Groups in the East Tennessee Region | NSF - National Science Foundation                 | \$606,800 |
| Fathy, Aly                                                               | Simulation and measurements of Neutron Source                                                   | DOE - UT-Battelle - Oak Ridge National Laboratory | \$47,173  |
| Frankel, Jay; Keyhani, Majid                                             | A Novel Calibration Method for Estimating Transient Surface Heat Flux under Hype                | Air Force Research Laboratory                     | \$12,000  |
| Fu, Joshua                                                               | Energy, Economic and Climate Project                                                            | DOE - UT-Battelle - Oak Ridge National Laboratory | \$32,944  |
| Gregor, Jens                                                             | Preclinical Diagnostic Imaging of Amyloid                                                       | University of Tennessee - Health Science Center   | \$47,022  |
| Islam, Syed                                                              | Tracking the Health of Soldiers with Advanced Implantable Nano-Sensors                          | University of Connecticut                         | \$25,000  |
| Meek, Thomas                                                             | Fabrication of uranium-oxide-based detectors                                                    | NSTec-Los Alamos Operations                       | \$6,000   |
| Pharr, George                                                            | Structure and Properties of High Entropy Alloys                                                 | DOE - UT-Battelle - Oak Ridge National Laboratory | \$52,894  |
| Rawn, Claudia; Barashev, Alexander                                       | Computational Materials Science Investigation of the Effects of Nuclear Irradiat                | DOE - UT-Battelle - Oak Ridge National Laboratory | \$26,606  |
| Rawn, Claudia; Mchargue, Carl; Meisner, Roberta                          | Materials Characterization                                                                      | DOE - UT-Battelle - Oak Ridge National Laboratory | \$62,154  |
| Sawhney, Rapinder                                                        | Pu-238 Oxide Manufacturing                                                                      | DOE - UT-Battelle - Oak Ridge National Laboratory | \$148,602 |
| Sun, Kai                                                                 | Optimal Dynamic VAR Management Involving Renewables against Voltage Security Iss                | DOE - UT-Battelle - Oak Ridge National Laboratory | \$32,607  |
| Tomsovic, Kevin                                                          | EMS for Microgrid                                                                               | DOE - UT-Battelle - Oak Ridge National Laboratory | \$32,079  |
| Zhang, Yanwen                                                            | Radiation Effects in Fuel Materials                                                             | DOE - UT-Battelle - Oak Ridge National Laboratory | \$71,297  |
| <b>College of Social Work</b>                                            |                                                                                                 |                                                   |           |
| Campbell, Paul                                                           | CSSEP Knox 6th District FY13                                                                    | Tennessee Department of Human Services            | \$454,200 |

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| Glisson, Charles;<br>Hemmelgarn, Anthony;<br>Green, Philip; Dukes, Denzel;<br>Cheatham, Joanna | Testing an Organizational<br>Implementation Strategy in Children's<br>Mental Health                   | DHHS - NIH - National<br>Institute of Mental Health           | \$512,255 |
| <b>Campus Centers and Institutes</b>                                                           |                                                                                                       |                                                               |           |
| Gangaware, Timothy                                                                             | Phase II development of the Harrell Road<br>Stormwater Demonstration Park                             | Knox County                                                   | \$7,000   |
| Halloy, Christian                                                                              | Galindo Generalized UQ Framework                                                                      | DOE - UT-Battelle - Oak<br>Ridge National Laboratory          | \$8,795   |
| Halloy, Christian                                                                              | Stony Brook - Robert Harrison UT<br>Contract                                                          | The Research Foundation of<br>State University of New<br>York | \$156,818 |
| Halloy, Christian; Harrison,<br>Robert                                                         | Stahl Advanced Analytic Methods                                                                       | DOE - UT-Battelle - Oak<br>Ridge National Laboratory          | \$11,233  |
| Hatcher, Robert                                                                                | Detailed Geologic Mapping of Quaternary<br>French Broad River Terraces, Eastern Ten                   | US Dept. of Interior - US<br>Geological Survey                | \$8,217   |
| Johnson, Jacqueline Anne                                                                       | Study of the Evolution of Nanoparticle<br>Crystallization and Optical Properties in<br>Glass Ceramics | National Science<br>Foundation                                | \$3,938   |
| Peterson, Gregory                                                                              | Blue Waters Petascale Project<br>Subcontract Year 1                                                   | University of Illinois at<br>Urbana-Champaign                 | \$708,477 |
| Riedinger, Leo                                                                                 | Bredesen Center 2013 Summer Interns                                                                   | DOE - UT-Battelle - Oak<br>Ridge National Laboratory          | \$104,745 |
| Sayler, Gary                                                                                   | BioEnergy Science Center, University of<br>Tennessee, Phase II                                        | DOE - UT-Battelle - Oak<br>Ridge National Laboratory          | \$387,193 |
| Tsai, Peter; Wyrick, Jack;<br>Woods, Clifton                                                   | Investigation Based on an Existing<br>Meltblowing Process to Achieve High-<br>Efficiency              | Aff International                                             | \$75,000  |
| <b>Other</b>                                                                                   |                                                                                                       |                                                               |           |
| Stewart, Joseph                                                                                | Air Force Acquisition Improvement<br>Support (FA7014-10-R-0008) - IDIQ                                | DOD - Department of the<br>Air Force                          | \$278,109 |
| <b>MultiCollege/Center</b>                                                                     |                                                                                                       |                                                               |           |
| Hayward, Jason (Engr); Zhao,<br>Xiaopeng(Engr); Wise,<br>Steven(A&S)                           | Graduate student work in nuclear<br>materials detection and characterization -<br>1                   | DOE - UT-Battelle - Oak<br>Ridge National Laboratory          | \$10,000  |
| Mays, Jimmy(A&S); Bhat,<br>Gajanan(Engr)                                                       | Improved Carbon Nanotube Fibers<br>through Crosslinking and Densification                             | Vanderbilt University                                         | \$225,000 |
| Yerka, Stephen(A&S);<br>Mchargue, Carl(Engr)                                                   | Information Technology Services to Assist<br>in the Design of the Integrated Cultur                   | Tennessee Valley Authority                                    | \$14,130  |





