

Newsletter charts faculty awards, accomplishments

This is the inaugural issue of *Awards & Recognition*, the new newsletter for the UT Knoxville campus published by the Office of Research.

The intent of *Awards & Recognition* is both celebratory and synergistic: first, in announcing **awards** received in the preceding two weeks by UT faculty, and, second, in fostering cross-college, cross-disciplinary collaboration among faculty by calling attention to the projects currently under way.

The table below lists all awards to UT Knoxville faculty recorded between 22 February and 6 March 2008. It is drawn from the most recent entries into the Coeus data base, which is the proposal/award-tracking program for the university. A similar table will be published every two weeks.

The second component of the newsletter will be **recognition** of

the professional accomplishments, honors, prestigious appointments and speaking engagements, and other recognition that reflect the exceptional quality of the UT Knoxville faculty.

Alternating with *Awards & Recognition* is its sister publication, *News & Opportunities*, which gives information about funding opportunities and the administrative and sponsor policies and procedures that affect pursuing those opportunities.

Both publications are evidence of a commitment by Vice Chancellor Brad Fenwick and the UT Office of Research to increase UT Knoxville's involvement in research and other sponsored programs that enrich the university's engagement in the academic and economic life of the state and enhance its standing as a leading American university.

UT Knoxville Awards, 22 February–6 March 2008

INVESTIGATOR	TITLE	SPONSOR	AWARD
College of Arts and Sciences			
Mays, Jimmy W.	Distinguished Scientist	UT-Battelle, LLC-Oak Ridge National Laboratory	\$91,822
Weitering, Hanno H.; Feigerle, Charles S.	Theory and simulations of nanoscale materials	UT-Battelle, LLC-Oak Ridge National Laboratory	\$31,626
Peterson, Cynthia B.	Continuation - Frank Larimer	UT-Battelle, LLC-Oak Ridge National Laboratory	\$15,673
Butler, Paul D.	Construction of SANS Portion of DANSE Software Project	California Institute of Technology	\$122,395
Peterson, Cynthia B.	Analysis Of Proteomic And Genomic Data	UT-Battelle, LLC-Oak Ridge National Laboratory	\$15,000
SEPANIAK, MICHAEL J.	Synthesis of Noble Metal Nanoparticles as Advanced High Performing Substrates for Surface Spec.	UT-Battelle, LLC-Oak Ridge National Laboratory	\$16,500
JOY, DAVID C.	Development Of Analysis Software	Other foreign entities non-specific	\$25,000
Venkatachalam, Sundaresan	Chromatin Remodeling Specific Interactions of ATM	NIH - National Institute of General Med Sciences	\$73,500
Sparer, Tim E.	Viral Chemokine Alteration of Neutrophil Functions	NIH	\$285,887
College of Engineering			
Hu, Bin	Spin Injection and Its Effects on Lasing Action in Conjugated Polymers	AIR FORCE	\$125,968
Tolbert, Leon M.	Finite Element Analysis of PM Machines with Field Weakening	UT-Battelle, LLC-Oak Ridge National Laboratory	\$1,000
Agnihotri, Sandeep	International: Characterization of Single-Walled Carbon Nanotubes for Environmental Implications and Energy Storage	National Science Foundation	\$900
HAYWARD, JASON PETER; DODDS, HAROLD L.	Radiation Detection Research and Development	UT-Battelle, LLC-Oak Ridge National Laboratory	\$39,999
BLALOCK, BENJAMIN J.	Reliability of Embedded Active Assemblies	NASA - Jet Propulsion Laboratory-California Institute of Tec	\$10,000
McHargue, Carl J.	Mechanisms for Materials Deformation Leading to Fracture	UT-Battelle, LLC-Oak Ridge National Laboratory	\$23,741
Campus Centers and Joint Institutes			
WOODS, CLIFTON	Agreement for Technical Support	Exxon Chemical Co.-Accts Payable-Polymers Licensing Mgr	\$132,400
Communication & Information			
SUTTLES, BARBARA C.	Support for Computational Biology Division - UT Battelle	UT-Battelle, LLC-Oak Ridge National Laboratory	\$165,674
Education, Health and Human Sciences			
WOOLSEY, MARY LYNN; STEPHENSON, BRENDA HANKINS; WOLBERS, KIMBERLY ANN	A Visual Phonics Program for Deaf Education Professionals: Examining Teacher Knowledge	Tennessee Higher Education Commissi	\$68,896
Stephens, Jean; STEPHENS, JEANNA A.	Workforce Education Discussion List Moderator	KENT STATE UNIVERSITY	\$39,299
Social Work			
Campbell, Paul M.; Clark, Michael; Patterson, David A.	Matching Funds for Knoxville Homeless Management Information System	City of Knoxville	\$10,000

UT herbarium wins NSF support

Petersen, Hughes will preserve, modernize historic fungal collection

A botanical collection started by a legendary UT faculty member and reborn after a disastrous fire almost 75 years ago is having its future made secure by a recent award from the National Science Foundation.

The UT Mycology Herbarium will be preserved under a grant from the NSF's Biological Research Collections program. **Ronald Petersen**, professor emeritus in ecology and evolutionary biology, will be the principal investigator for the award, which will provide \$424,527 over three years to rehouse, digitize, and manage the collection and its supporting materials. EEB colleague **Karen Hughes** will be his co-PI.

The herbarium is one of the leading collections of macrofungi in North America, with about 63,000 specimens, including some 40,000 from the southern Appalachian Mountains.

The UT collection was started as a teaching collection by L.R. Hesler, a mycologist who came to UT in 1919 and eventually became dean of the College of Arts & Sciences. In 1934, the building housing the botany department burned to the ground, destroying the collection.

"Hesler was bereft. All his teaching collections were gone," said Petersen, who joined the botany department in 1965. "He appealed to the mycological community; they eventually sent him thousands of specimens of fungi."

The collection has grown more than tenfold since that time and includes major representations collected by Petersen from China, eastern and western Russia, and New Zealand.

When the project is completed, the collection will be housed in the biology annex at the corner of White Avenue and James Agee Street, and the photos and supporting materials will have been digitized and made more available to the public on the internet.

'Outstanding progress' nets chemist creativity extension from NSF

A UT Knoxville chemist has received a special extension to his NSF award at the suggestion of an NSF program officer because the original research project was so successful.

Ziling Xue, a professor in the chemistry department, will receive \$322,000 over two years to extend his study, titled "Probing Novel Reactivities of Transition Metal Complexes and Mechanistic Pathways in the Formation of Microelectronic Materials." Xue's research will also have a strong component for training students and giving them access to state-of-the-art facilities at Oak Ridge National Laboratory.

The NSF program officer recommended the "special creativity extension" because Xue's original three-year project had shown "outstanding scientific/technical progress achieved to date."

Nomination sought for UTK scholar of week

The UT Office of Research has begun redesigning and refurbishing its web site. A new feature on that site will be the Scholar of the Week, a column designed to recognize faculty whose scholarly careers have been noteworthy. If you have faculty colleagues who you feel are worthy of such notice, please send a nomination to **Greg Reed** (gdreed@utk).

NIH funds UT study of exercise intervention in schizophrenia

Nursing associate professor **Lora Beebe** will examine the effect of a pre-exercise intervention on the motivation, behavior, and attitudes toward exercise among outpatients with schizophrenia.

The National Institutes of Health has awarded Beebe's research team \$140,000 for a two-year study of exercise attendance, persistence, and compliance among outpatients with schizophrenia. Persons who have schizophrenia are at risk for negative health outcomes from obesity because of risk factors rising from their mental illness, as well as their treatment.

Third article accepted

"Sharing Global Supply-Chain Knowledge," an article by **Matt Myers** and **Mee-shew Cheung**, will appear in the spring 2008 issue of Sloan Management Review, due out in April. The article is the third from faculty in the College of Business Administration's department of marketing and logistics to appear in a top-three executive journal in the last year.

Distinguished service

In marketing and logistics, **David Schumann** has been recognized by the Society for Consumer Psychology with its first Distinguished Service Award at the society's recent annual conference in New Orleans.

Paper presentation to NATO

Joan Rentsch, director of the industrial/organizational psychology program in the UT College of Business Administration, will present a paper in Copenhagen, Denmark, at the Human Factors and Medicine Symposium on Adaptability in Coalition Teamwork sponsored by the North Atlantic Treaty Organization/Research and Technology Organization. The paper is titled "Multicultural Perspective-Taking Competencies: A Conceptual Model and Training Tool."

Program committee

Frank Guess from the CBA department of statistics, operations, and management science served on the program committee for the International Conference on Information Quality at the Massachusetts Institute of Technology in November 2007