

Date to Remember

Wednesday, Oct 27, 8:00 pm
Fall 2004 Presidential University
Lecture, Brad Shrader, professor of
management, *Business Ethics after
Enron: Looking Good versus Being
Good*, Great Hall, Memorial Union

Welcome

- Robert Burns, associate professor of ag and biosystems engineering, from the University of Tennessee.
- Jacek Koziel, assistant professor of ag and biosystems engineering, from Texas A & M.
- Lie Tang, assistant professor of ag and biosystems engineering, from Wageningen University, The Netherlands.
- H. Scott Hurd, associate professor of veterinary diagnostic and production animal medicine, from the National Animal Disease Center.
- Christina Loiacono, assistant professor of veterinary diagnostic and production animal medicine, from the University of Missouri.
- Matthew Winter, assistant professor of veterinary clinical sciences, from Tufts University.
- Fausto Bellezzo, clinician in veterinary clinical sciences, from Tufts University.
- Jo Ann Morrison, clinician in the veterinary teaching hospital, from Affiliated Veterinary Specialists, Maitland, Florida.
- Dennis Lavrov, assistant professor of ecology, evolution and organismal biology, from the University of Montreal.

Alphabet Soup

PPSI - Partnerships in Prevention Science Institute. PPSI is a multidisciplinary team organized to conduct research directed toward partnership-based evaluation, refinement, and diffusion of interventions designed to prevent substance abuse and other problem behaviors, through increases in the proportions of healthy, competent caregivers and youth in targeted general populations. Richard Spoth is the director, 4-5383.

ISBR - Institute for Social and Behavioral Research. To facilitate and support excellent interdisciplinary social science research at Iowa State and to apply knowledge gained through that research to improving the daily lives of individuals and families. Carolyn Cutrona is the director, 4-4518.

Please note that IRISS (Interdisciplinary Research Institute for Survey Science) was officially closed on July 1, 2004.

New Patents

- To Thomas McGee, materials science and engineering and veterinary clinical sciences, *Method of Restructuring Bone*, Patent No. 6,719,793
- To Thomas McGee, MSE and VCS, and Maria Roemhildt, formerly biomedical engineering, *Biologically Compatible Bone Cements and Orthopedic Methods*, Patent No. 6,723,334

Bailey Award Winners

The overall goal of the Bailey Research Career Development Award is to foster research that is innovative, and not only increases knowledge, but has practical implications. Two faculty members were selected in the third round of competition:

Bryony Bonning, associate professor of entomology, *Broad Spectrum Plant Resistance to Insect Pests Mediated by a Protease*. Bonning proposes to develop insect resistant plants for management of insect pests including aphids. She says, "We expect this technology can be applied for production of insect resistance in a wide variety of crops and will be effective against a diverse array of insect pests including aphids, moths, leafhoppers and beetles."

Michael Wannemuehler, professor of veterinary microbiology and preventive medicine, *Modulation of Mucosal Gene Expression Following Colonization of Gnotobiotic Mice with Helicobacter bilis*.

Wannemuehler is a leader in the field of swine enteric disease research. He has recently focused his research efforts on the disease entity of Crohn's disease in humans. Wannemuehler's research is a novel approach that, if successful, would broaden the science and understanding of intestinal disease research and help alleviate a disease that causes immeasurable discomfort and lowers the quality of life to many individuals.

Recent Sponsored Funding Awards

October 15, 2004

- To Alejandro Travesset-Casas, Phys & Astro, *Geometry, Order and Packing: New Computational and Analytical Tools* from the National Science Foundation, \$255,000
- To Suzanne Hendrich, FSHN, *New Approach to Environmental Immunotoxicant Biomonitoring in Humans: Deoxynivalenol as Example* from the University of Iowa, \$19,450
- To Thomas Bobik, BBMB, *The Conversion of Inactive Cobalamins to Coenzyme B12* from the National Institutes of Health, \$105,959
- To Patrick Halbur, VDPAM, *Comparison of the Virulence of PCV2 Isolates from Field Cases With and Without Hallmark Lesions of Lymphoid Depletion* from the National Pork Board, \$51,185
- To David Hsu and Lisa Brasche, CNDE, *Development of a Generic Imaging System for Commonly Used NDT Instruments* from the Federal Aviation Administration, \$150,000
- To Peter Martin and Maurice MacDonald, HDFFS, *Resources and Adaptation in Centenarians* from the University of Georgia, \$57,750
- To William Meeker, Stat, *Statistical Modeling of Service Life Prediction Experimental Data* from Atlas Material Testing Technology, \$30,000
- To Craig Anderson and Douglas Gentile, Psych, *Center for the Study of Violence* from the Department of Health and Human Services, Center for Disease Control, \$55,768
- To Steven Garasky, HDFFS, and Susan Stewart, Soc, *Father Involvement, Food Program Participation and Food Security Among Children with Absent Fathers* from the Joint Center for Poverty Research, University of Chicago, \$39,999
- To Clive Woods, ECpE, *Charge Transfer Devices Using Organic Semiconductor* from the National Science Foundation, \$225,000
- To Paul Gallagher, Econ, *Trade Liberalization Strategies for Developing Countries* from the USDA, \$30,000
- To Brian Hornbuckle, Tom Sauer, and Elwynn Taylor, Agron, *How Accurately Can I Remotely Sense Surface Temperature: Practical Options for Investigators* from the University of Iowa, \$20,000
- To Marcus Johnson, CNDE, *Characterizing Surface Residual Stress in Engine Alloys Using Alternating Current Potential Drop Measurements* from the Department of Air Force, AFOSR, \$75,555
- To Anne Cleary, Psych, *CAREER: Familiarity-Based Recognition* from the National Science Foundation, \$60,756
- To Yao Ma, ECpE, *Fast Acquisition of Ultra Wide Bandwidth Communication* from Rockwell Collins, \$38,666

Some Research to Directly Benefit the State of Iowa:

- To John Sawyer, Agron, *Demonstration of In-season Nitrogen Management Strategies for Corn Production* from the Iowa Department of Agriculture and Land Stewardship, \$127,908
- To Cathy McMullen, NREM, *Wetland Mitigation Project* from the Iowa Army National Guard, \$25,000
- To Jay Harmon and Hongwei Xin, ABE, *Use of Bedded Hoop Structures as an Alternative Swine Housing System to Improve Environmental Soundness and Sustainability of Water Resources* from the USDA, \$15,000

Funding opportunities may be found at <http://www.vpresearch.iastate.edu/Funding/homepage.html>

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