

Orientation for New Faculty

Research Funding, Industry Collaboration, and Technology Transfer at ISU

Where to go for information on:

Internal Seed Funding, External Research Funding, Compliance Issues,
Management of Intellectual Property and Interfacing with Industry

- Monday, Sept. 18, 4-6 p.m., 1213 Hoover
Reception at 3:30 p.m. in the lobby **OR**
- Tuesday, Sept. 19, 5-7 p.m., 1312 Hoover
Reception at 4:30 p.m. in the lobby

(Both sessions have the same program.)

Grow Iowa Value Funds Awarded

New Patent

To H. Mark Hanna, ABE, and Paul Boyd, formerly ABE, *Apparatus and Method for Reducing Anhydrous Ammonia Application by Optimizing Distribution*, Patent No. 6,997,400

Welcome

- Bryan Bellaire, assistant professor of veterinary microbiology and preventive medicine, from Louisiana State University.
- David Whaley, professor and associate dean, curriculum and instruction, from Colorado State University.
- Amy Welch, assistant professor of health and human performance, from University of Leeds, U.K.
- Jennifer Margrett, assistant professor of human development and family studies, from West Virginia University.
- Sela Sar, assistant professor in the Greenlee School of Journalism & Communication, from the University of Minnesota.
- Robert Urbatsch, assistant professor of political science, from Harvard University.

Iowa State has awarded \$975,773 of state economic development dollars to 11 research projects. The grants must be fully matched by the researchers and their partners.

- \$132,274 to Robert C. Brown, Francine Battaglia and Ted Heindel, ME, to commercialize gasifiers that convert biomass into a mixture of flammable gases.
- \$96,000 to Richard Larock, Chem, for plastics created from corn and soybean oil to manufacture hog feeders.
- \$95,881 to Jay-lin Jane and Suzanne Hendrich, FSHN, to study corn starches that are low in calories or resistant to digestion.
- \$79,900 to Jacek Koziel, ABE, to study how treating fuel ethanol with ozone and activated carbon can economically remove impurities so the alcohol can be used by the beverage industry.
- \$76,914 to Samir Kumar Khanal, CCEE; Buddhi Lamsal, FSHN; David Grewell, ABE; and Stephanie Jung, FSHN; for ultrasonics to enhance the yield of proteins and sugars from soybeans.
- \$76,806 to Hans van Leeuwen, CCEE; Sam Beattie, FSHN; and

Allen Trenkle, An Sci; to produce high-value fungus that can be added to animal feeds using a liquid byproduct of ethanol production.

- \$73,737 to Manjit Misra, IFSS; Yuh-Yuan Shyy and Alan Gaul, Seed Science Center; to build and demonstrate a prototype of a continuous flow meter that could benefit the seed, grain and food industries.
- \$68,758 to David Grewell, ABE; Michael Kessler, MSE; and Howard Van Auken, Mgmt; to develop corn- and soy-based plastics reinforced with nanoclays.
- \$63,406 to Vikram Dalal, MRC, to develop high-performance solar cells using new technology that improves the performance and stability of solar cells.
- \$49,380 to Mary Holz-Clause and Daniel Burden, Value Added Ag; Douglas Stokke, NREM; to turn corn byproducts of ethanol production into a pellet fuel for heaters.
- \$162,717 to Larry Johnson and Nicolas Deak, CCUR, to develop a process for separating the two major proteins in soybeans.

Recent Sponsored Funding Awards

August 25, 2006

- To Fred Lorenz, Soc; K.A. Wickrama, HDFS; and Rebecca Burzette, ISBR; *Relationship Development and Health in Young Adults* from the National Institutes of Health, \$561,412
- To Julie Dickerson, ECpE; Dirk Reiners, Comp Sci; and Eve Wurtele, GDCB; *Interactive Visualization and Analysis of Large Scale Graphs for Biological Network Modeling* from the National Science Foundation, \$808,353
- To Girma Tabor and Greg Tylka, Plant Path, *Improving Soybean Profitability in Iowa by Reducing the Hidden Effects of Brown Stem Rot and Its Interaction with the Soybean Cyst Nematode* from the Iowa Soybean Association, \$72,135
- To Linda Niehm, Ann Fiore, Miyoung Jeong, AESHM, *Pop-Up Retail's Acceptability as an Innovative Business Strategy and Enhancer of the Consumer Shopping Experience* from the International Council for Shopping Centers Educational Foundation, \$15,009
- To Rajeev Arora, Hort, *Understanding the Mechanism of Cold Hardening in Rhododendron: Functional Analysis of a Cold Acclimation-Responsive Dehydrin Gene/Protein* from the American Rhododendron Society, \$5,000
- To Frank Peters and Matthew Frank, IMSE, *Instrumentation and Control for Energy Efficiency and Productivity* from Advanced Technology Institute, \$65,000
- To Cornelia Flora, Soc, *Evaluation of the Interaction of Context, Process and Outcomes of the Internet Satellite Project* from American Distance Education Consortium, \$32,548
- To Kejin Wang, CCEE, and Tom Cackler, CTRE, *Material Thermal Input for Iowa Materials for the Mechanistic-Empirical Pavement Design Guide* from the Iowa Department of Transportation, \$20,000
- To Ken Stalder, Max Rothschild, Tom Baas, and John Mabry, An Sci; Locke Karriker and James McKean, VDPAM; *Association of Compositional Traits and Structural Soundness with the Ability of Commercial Line of Sows to Complete Parities Two and Three* from the National Pork Board, \$104,510
- To Lee Anne Willson, Phys & Astro, *The Mira Imaging Project* from the California Institute of Technology, \$6,767
- To Anna Johnson, An Sci, *Drinking Behavior of Nursery Pigs Following 15-h Water Withholding* from Boehringer Ingelheim Vetmedica, Inc., \$13,663
- To Greg Tylka, Plant Path, and Matthew O'Neal, Ent, *Investigations of Interactions Between the Soybean Aphid and Soybean Cyst Nematode* from the Iowa Soybean Association, \$82,230
- To Janette Thompson, NREM, *Urban Forestry Plan for the Herbert Hoover National Historic Site* from the National Park Service, \$6,000
- To Scott Wendt, CNDE, *Comparison of Defect Standards vs Real Defects: The Effect of Defect Morphology* from the Department of Air Force, \$255,334
- To Lance Gibson, Agron, *Optimizing Legume Establishment in Winter Cereal Grains* from the Iowa Department of Natural Resources, \$16,339
- To Matthew O'Neal, Ent, *Biological Control of Soybean Aphid* from Purdue University, \$34,905
- To Daniel Loy, An Sci, *Reducing Energy Costs in Ethanol Production Through Improved On-Farm Storage Methods of High Moisture Distiller Feeds* from the Iowa Energy Center, \$7,087
- To Elisabeth Lonergan and Steven Lonergan, An Sci, *Protein Oxidation and Nitration: Novel Mechanisms Governing Meat Quality* from the USDA, \$320,474

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

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