

R | B *Research in Brief*

October 3, 2003

Volume 10 No. 6

Next Issue: October 17, 2003

Dates to Remember

- Wednesday, October 8, 11 a.m.-3 p.m. - Graduate & Professional School Day, Great Hall, Memorial Union.
- Tuesday, October 14, 8 p.m. - Norman Borlaug Lecture 2003, Dr. M.S. Swaminathan, *Hunger-Free World: The Final Milestone*, Great Hall, Mem. Union.

Welcome

- Maynard Hogberg, professor and chair of animal science, from Michigan State University.
- Robert Anex, associate professor of ag & biosystems engineering, from the University of Oklahoma.
- Matthew Helmers, assistant professor of ag & biosystems engineering, from the University of Nebraska-Lincoln.
- Amy Kaleita-Forbes, assistant professor of ag & biosystems engineering, from the University of Illinois.
- W. Sue Fairbanks, associate professor of natural resource ecology & management, from the University of Nebraska at Omaha.
- Lisa Schulte, assistant professor of natural resource ecology & management, from USDA-Forest Service, Grand Rapids, Minn.
- Matthew Frank, assistant professor of industrial & manufacturing systems engineering, from Penn State.

Farewell

- Michael Bishop, associate professor of philosophy & religious studies, resigned July 31 to go to Northern Illinois University.
- Harley Moon, professor of veterinary pathology, retired September 2.
- Brad Bushman, professor of psychology, resigned July 31 to go to the University of Michigan.
- Jan Stone, professor of textiles & clothing, retired September 2.
- Tim Van Voorhis, assistant professor of industrial & manufacturing systems engineering, resigned to go to Liberty University, Lynchburg, Virg.
- Janet Peterson, professor of mathematics, resigned July 31 to go to Florida State University.

Publication Subvention Grants Available

A request for proposals under the ISU Publication Subvention Grants Program has just been posted on the website of the Office of the Vice Provost for Research. See <http://grants-svr.admin.iastate.edu/vpr/guidelines/subvention.html> for these guidelines—the deadline for applications is November 3, 2003. These grants are made possible by an endowment that has been formed from the proceeds of the sale of the ISU Press.

Iowa Energy Center (IEC) Request for Preproposals

The IEC seeks new research, demonstration and education preproposals that respond to Iowa's patterns of energy use and opportunities to use that energy more efficiently. Preproposal deadline is November 3, 2003. www.energy.iastate.edu/funding/gp-research.html.

New Patent

- To Martin Allen, MCDB; Tsuei-Yun Fang and Yuxing Li, Genetics; Hsuan-Liang Liu, Hsiu-Mei Chen, and Pedro Coutinho, Chem Engr; Richard Honzatko, BBMB; and Clark Ford, FSHN; *Protein Engineering of Glucoamylase to Increase Ph Optimum, Substrate Specificity and Thermostability*, Patent No. 6,537,792

Research Compliance Corner

Are field studies exempt from the requirements of the Animal Welfare Act?

Yes, if the study meets the United States Department of Agriculture definition of a field study **as follows**: "Field study means any study conducted on free-living wild animals in their natural habitat, which does not involve an invasive procedure, and which does not harm or materially alter the behavior of the animals under study." Studies that meet this definition do not need to be submitted to the Committee on Animal Care (COAC) for review and approval. If the study involves confining the animals **in any way**, or an invasive procedure is involved, or the behavior of the animal is harmed or materially altered, an application for COAC approval must be submitted. For more information, please contact either Cathy Meier (4-9581) or Diane Ament (4-3115).

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Recent Sponsored Funding Awards

- To Yan Zhao, Chem, *Novel Molecular Transporters from Facial Amphiphiles* from the Petroleum Research Fund, American Chemical Society, \$35,000
- To Rana Biswas, Phys & Astro, *Novel Photonic Crystal Enhanced Infrared Sensors and Sources* from the National Science Foundation, \$100,000
- To Robert Summerfelt, NREM, *Aquaculture Wastes and Effluent: Their Characteristics, Removal and Beneficial Uses* from Michigan State University, \$14,010
- To Jo Anne Powell-Coffman, GDCB, *Genetic and Molecular Analysis of Aryl Hydrocarbon Receptor Signaling in C. elegans* from the National Science Foundation, \$124,999
- To Janice Buss, BBMB, and Joe Gilbert, CATD, *Smart Probes for Imaging Cancer* from Molecular Express, Inc., \$20,232
- To Wayne Fuller, Stat, *Survey Design and Estimation* from the USDA, \$75,500
- To Susan Carpenter, VMPM, and Karin Dorman, Stat, *Quasispecies Evolution During Lentivirus Persistence* from the National Institutes of Health, \$146,000
- To Eve Wurtele, GDCB, *Arabidopsis 2010: Visual Informatics Tools to Interactively Link Arabidopsis Metabolic and Regulatory Network Maps with Genome-Wide Expression Data* from the National Science Foundation, \$12,500
- To Dennis Bazylinski, BBMB, *Effects of Environmental Growth Conditions on the Composition and Morphology of Bacterial Magnetosome Crystals and on the Subsequent Dissolution and Preservation of Magnetofossils* from the National Science Foundation, \$506,791
- To James McCalley, Vijay Vittal, V. Ajjarapu, Nicola Elia, Ratnesh Kumar, ECpE; and Oscar Volij, Econ;

Planning Reconfigurable Power System Control for Transmission Enhancement with Cost-Recovery Systems from the National Science Foundation, \$350,000

Some Research to Directly Benefit the State of Iowa:

- To Robert Brown, Jon VanGerpen, Ted Heindel, ME; Maohong Fan, Andrew Suby, Glenn Norton, CSET; Peter Reilly, Brent Shanks, Chem Eng; Richard Honzatko, Mark Hargrove, Dennis Bazylinski, BBMB; Victor Lin, Nicola Pohl, Chem; Thomas Richard, ABE; Hans van Leeuwen, Tim Ellis, Shih-Wu Sung, CCEE; Ken Moore, Larry Halverson, Agron; Monlin Kuo, NREM; Tony Pometto, Clark Ford, FSHN; *Iowa Biotechnology Byproducts Consortium* from the USDA, \$1,635,189
- To Adin Mann and Richard Hindman, Aero Eng; Michael Olsen, ME; and Joe Gilbert, CATD; *Experimental and Empirical Model Development of Flow Noise Generated by a Tractor Cooling Package* from Deere & Company, \$15,000
- To Greg Tylka and Charlotte Bronson, Plant Path, *Role of Brown Stem Rot and Soybean Cyst Nematode in Soybean Health and Productivity in the North Central Region* from the University of Illinois, \$52,855
- To Don Reynolds, VMPM, and Thomas Glanville, ABE, *Evaluating the Biosecurity of Large-Scale Composting of Animal Carcasses/Tissues* from the USDA, \$95,000
- To Patrick Patterson, IMSE, *Assistive Technology Design and Development* from the Iowa Department of Human Services, \$43,900

Funding opportunities may be found at <http://grants-svr.admin.iastate.edu/Funding/homepage.html>

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