

# FAES/OARDC Research News

January 2015

**Research News** is a monthly electronic newsletter for faculty and other members of the FAES research community that summarizes upcoming funding opportunities, provides updates, FAES grant awards, and grant writing information.

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## Updates

Headings below in **BLUE** are linked to the specific topic.

### [OARDC 2014 Annual Report now available](#)

### [NIFA Update – December 2014](#)

NIFA Update, from the Office of the Director, is a biweekly newsletter for research, education, and extension partners at land-grant universities and other cooperating institutions.

### [USDA Opens VIVO Research Networking Tool to Public](#)

VIVO, a Web application used internally by [U.S. Department of Agriculture](#) (USDA) scientists since 2012 to allow better national networking across disciplines and locations, is now available to the public. [USDA VIVO](#) will be a "one-stop shop" for Federal agriculture expertise and research outcomes. The idea behind USDA VIVO is to link researchers with peers and potential collaborators to ignite synergy among our nation's best scientific minds and to spark unique approaches to some of our toughest agricultural problems. This efficient networking tool enables scientists to easily locate others with a particular expertise. VIVO also makes it possible to quickly identify scientific expertise and respond to emerging agricultural issues, like specific plant and animal disease or pests.

USDA's Agricultural Research Service (ARS), Economic Research Service, National Institute of Food and Agriculture, National Agricultural Statistics Service and Forest Service are the first five USDA agencies to participate in VIVO. The [National Agricultural Library](#), which is part of ARS, will host the Web application. USDA hopes to add other agencies in the future.

VIVO's underlying database draws information about research being conducted by USDA scientists from official public systems of record and then makes it uniformly available for searching. The data can then be easily leveraged in other applications. In this way, USDA is also making its research projects and related impacts available to the [Federal RePORTER](#) tool, released by NIH on September 22, 2014. Federal RePORTER is part of a collaborative effort between Federal entities and other research institutions to create a repository that will be useful to assess the impact of Federal research and development investments.

### **NSF Increases**

FY2015 award stipends on NIH training grants (T32, T90) and NIH individual fellowships (F32) are increased by 2%. However, the other components of the budgets (i.e. tuition and fees, institutional allowances, training costs) remain unchanged. <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-15-048.html>

Effective January 11, 2014 the new salary cap for the Executive Level II level increases to \$183,300. <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-15-049.html>

### [NEW Report: Critical Role of Animal Science Research in Food Security and Sustainability](#)

Global demand for food from animal products such as meat, dairy and fish is expected to nearly double by 2050 as the world's population continues to grow. The National Academy of Sciences (NAS) report released January 7, 2015 addresses environmental challenges (including global climate change and limited natural resources) and the growing threat of animal diseases that could hinder efforts to meet the demand for animal agricultural products. The report also identifies factors—the need for trained workers, product safety and quality, effective communication, and dissemination of new information and technologies—that could affect the United States' ability to meet these demands.

### [Responsible Conduct of Research \(RCR\) Training Resources](#)

All federal-funding agencies require faculty, staff, and students supported by federal grants to be trained in the area of Responsible Conduct of Research (RCR). OSU provides online coursework (through CITI) in human subject's protection, responsible conduct of research, good clinical practices, and export control. Some agencies, such as NIH and USDA (including competitive grants, cooperative agreements, and capacity funding), require additional training plus the on-line modules. Take your training today at the [Collaborative Institutional Training Initiative](#) (CITI).

## Faculty Achievements & Recent Awards

**Mahesh Khatri** (Food Animal Health Research Program) was awarded **\$129,950** from the National Pork Board for *Evaluation of cross-protection induced by porcine intestinal mesenchymal stromal cell-adapted*.

**Ajay Shah** (Food, Agricultural and Biological Engineering) was awarded **\$159,988** from Iowa State University for a project titled *Improving biomass feedstock transportation efficiency economics and emissions via real-time decision support tools and best management practices*.

**Erich Grotewold** (Horticulture and Crop Sciences/CAPS) was awarded **\$490,000** from the National Institute of Food & Agriculture for a project titled *Elucidating the pathway for insecticidal and nutritional maize flavones*.

**Peter Ling and Karen Mancl** (Food, Agricultural and Biological Engineering) were awarded **\$133,825** from the Ohio Water Development Authority to research *Nutrient removal from slaughter house wastewater treatment in a sand bioreactor/greenhouse system - Phase 2*.

## Classes/Workshops

### [Commercialization Workshop Series Launched](#)

Ohio State faculty and staff interested in learning about commercialization are invited to attend the Commercialization Workshop Series, kicking off in January 2015. The series walks participants through the commercialization process in eight workshops spanning January-August. Learn about commercialization and what resources are available to aid faculty and staff in that process.

### [Budgeting for Grants](#)

During this session, we will provide an overview of the expenses most commonly requested in grant applications. We will also discuss critical issues associated with developing budgets including: direct costs, allowable costs, and budget justifications. Please join us for this informative session! This session will be held in Columbus Ag Engineering 219 on February 2 from 10:00 am-11:00 am and Wooster Research Services 130, 10:00 am-11:00 am on February 4. Presented by the Grant Development Support Unit.

### [ePA-005 Overview](#)

We will provide an overview of the ePA-005 process along with tips for completing the form. Faculty and staff who complete the form are encouraged to attend. Please join us for this informative session! This session will be held in Columbus Ag Engineering 219 on March 2 from 10:00 am-11:00 am and at Wooster Research Services 130, 10:00 am - 11:00 am on March 4. Presented by the Grant Development Support Unit.

### **NSF Grants Conference**

The spring 2015 NSF Grants Conference will be held June 1-2, 2015 in Tampa, FL, and will be hosted by the State University System of Florida. Sign up at <http://events.signup4.com/nsfnotification> to be notified when conference registration is available. This two-day conference is a must, especially for new faculty, researchers and administrators who want to gain key insight into a wide range of current issues at NSF including the state of current funding; new and current policies and procedures; and pertinent administrative issues. NSF program officers representing each NSF directorate will be on hand to provide up-to-date information about specific funding opportunities and answer your questions. Highlights include: New programs and initiatives; Future directions and strategies for national science policy; Proposal preparation; NSF's merit review process; Cross-disciplinary and special interest programs; Conflict of interest policies; and breakout sessions by discipline.

## Scholarship Activities

OARDC Directors Office Student Awards open for application **Deadline: January 26, 2015**

- [Charles Thorne Associateship](#)
- [Director's Associateship](#)
- [International Associate](#)

- [William E. Krauss Director's Award for Excellence in Graduate Research](#)
- [Minority Associateship](#)
- [FAES Environmental Fellowship Award](#)

## Funding Opportunities

### Call for Applications: FDA

FDA announces the availability of funding and requests applications for [Grants to Enhance Food Safety: National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program](#) for fiscal year (FY) 2015 to address the needs of small and medium-sized farms, beginning farmers, socially disadvantaged farmers, small processors, or small fresh fruit and vegetable merchant wholesalers, especially as they relate to the implementation of the FDA Food Safety Modernization Act (FSMA). Projects will help increase their understanding and adoption of established food safety standards, guidance, and protocols. Projects will also facilitate the integration of food safety standards and guidance with a variety of agricultural production systems, encompassing conventional, sustainable, organic, and conservation and environmental practices. **Letter of Intent DUE: February 16, 2015.**

### [AFRI – RFP: Food, Agriculture, Natural Resources and Human Sciences Education and Literacy Initiative](#)

NIFA announced the availability of more than \$15 million for fellowships to train and develop the next generation of scientists who will lead agriculture into the future by solving current and future challenges facing society. NIFA will support pre- and post-doctoral fellowships, and for the first time, undergraduate fellowships. This was formerly called the AFRI NIFA Fellowships Grant Program.

NIFA funds the Food, Agriculture, Natural Resources, and Human Sciences Education and Literacy Initiative through the Agriculture and Food Research Initiative (AFRI). The goal of the program is to support the intellectual talent needed to meet the challenges facing the nation's agriculture, natural resource and food systems, which require innovative approaches in research, education, and extension. **DUE DATE: Applications for the pre- and post-doctoral fellows are due on February 11, 2015. Letters of intent for the undergraduate program are due on February 18, 2015, with full applications due May 6,**

**2015. The UG program is a Limited Submission Opportunity at OSU.**

### [USAID Global Development Lab's Global Center for Food Systems Innovation](#)

Michigan State University's Global Center for Food Systems Innovation (GCFSI) is seeking applicants who can help create innovation in the global food system by finding, incubating and evaluating new and potentially game-changing knowledge and technology based solutions to development challenges, especially those related to population growth, climate change and urbanization. - The goal of this center "... is to create, test and enable the scaling of innovations in the food system, using an approach that is multi-disciplinary, focused on the entire food system, and forward-looking; considering major trends that will impact future food system performance." There are three different funding levels (\$500K, \$250K & \$100K). Grants are for ten specific thematic topics and for work in designated countries. **DUE DATE: March 16, 2015.**

### [Multi-State Rural Development Research or Extension Projects – North Central Region FY 15/16](#)

The North Central Regional Center for Rural Development (NCRCD) at Michigan State University announces a competition for seed grants aimed at enhancing the ability of Land Grant institutions to positively influence the quality of life in rural areas of the twelve-state North Central region of the United States. Priority areas for the Center's work include:

- Innovation diffusion for rural development
- Sustainable communities
- Leadership development
- Entrepreneurial communities

**Proposals are DUE January 28, 2015.**

### [NIFA Funding Opportunities](#)

### [NSF Funding Opportunities](#)

### [NIH Funding Opportunities](#)

### [OSU Internal Competitions](#)

### [Limited Submission Opportunities](#)

To submit news items or request certain topic areas, email FAES Grant Support at [gdsu@osu.edu](mailto:gdsu@osu.edu).

[Grant Development Support Services](#)

[Research News Archive](#)

[Grants Toolkit](#)