

# FAES/OARDC Research News

May 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.

## Updates

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

### [2015 OSU Financial Conflict of Interest Disclosure](#)

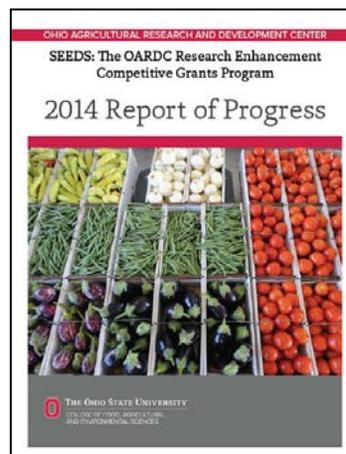
Each year, The Ohio State University requires certain faculty, staff members and students to complete an annual financial disclosure to comply with federal and state conflict of interest (COI) regulations, accreditation requirements and Ohio State faculty and staff COI policies. This year, the new disclosure period begins April 22, 2015, with the required one-year look back disclosure period for 2015 going back to April 2014.

### [National Science Foundation Automated Compliance Checking of NSF Proposals](#)

Beginning April, 24, 2015, proposals submitted in response to Program Solicitations in FastLane will undergo a series of automated proposal compliance validation checks to ensure they comply with requirements outlined in the [Proposal & Award Policies and Procedures Guide \(PAPPG\)](#). These checks will automatically validate a proposal for compliance against proposal sections per type of funding mechanism. For example, an error message will appear if a project description or budget are not provided in proposals submitted in response to a Program Solicitation. Checks will be triggered when proposers select the "Check Proposal," "Forward to SPO," or "Submit Proposal" functions. Depending on the rule being checked, a warning or error message will display when a proposal is found to be non-compliant. If an error message appears, the proposal cannot be submitted until it is compliant. To view a detailed list of all compliance checks, click [here](#).

### [What is Export Control?](#)

The U.S. government regulates the transfer of information, commodities, technology, and software considered to be strategically important to the U.S. in the interest of national security, economic and/or foreign policy concerns. There is a complicated network of federal agencies and inter-related regulations that govern exports collectively referred to as "Export Controls." In brief, Export Controls regulate the shipment or transfer, by whatever means, of controlled items, software, technology, or services out of U.S. (termed an "Export"). Perhaps of even more consequence to the university, is that the government also restricts the release of certain information [Read More...](#)



**SEEDS:** The OARDC Research Enhancement Competitive Grants Program. The goal of the SEEDS is to foster research excellence among OARDC-supported scientists and faculty in the College of Food, Agricultural, and Environmental Sciences. View the 2014 Report of Progress [here](#).

### [Association of Public and Land-grant Universities Announces Creation of Task Force on Laboratory Safety](#)

APLU announced it has formed the Task Force on Laboratory Safety, which will provide research universities with recommendations and guidance on the most appropriate strategies to enhance a culture of laboratory safety. The task force, which APLU created in coordination with the Association of American Universities (AAU), American Chemical Society (ACS), and Council on Government Relations (COGR), is comprised of senior research officers and environmental and health safety experts. [Read more ....](#)

### [NIH Warns of 'Serious Consequences' of Application Non-Compliance](#)

A notice issued by NIH on April 15 warned grant hopefuls of "serious consequences" for submitting applications with errors. NIH may withdraw any application identified during the receipt, referral and review process that is not compliant with the instructions" in NIH's application guide, "Funding Opportunity Announcement, and relevant NIH Guide Notices," the announcement said. Click [here](#) for additional information.

### **NIH Reminder: New Biosketch Format Required Soon**

Don't forget that the new NIH biographical sketch format is required for grant applications with due dates on or after May 25, 2015. [Read the full article.](#)

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## Faculty Achievements & Recent Awards

**Casey Hoy** (Entomology), **Steven Culman** (SENR), **Henry Klaiber** (AEDE) and **Subramanian Kumarappan** (ATI) and the College of Wooster were awarded **\$384,913** from USDA, NIFA, Food Security program to research *Diversification Strategy for Small and Medium-Sized Farms*.

**Reed Johnson** (Entomology) was awarded **\$145,000** to study *Assessing strategies to reduce honey bee exposure to dust emitted during planting of treated corn seeds in Ohio* from Pollinator Partnership, the world's largest non-profit organization dedicated exclusively to the protection and promotion of pollinators and their ecosystems.

**Matthew Kleinhenz** (Horticulture and Crop Science) and **Joe Scheerens** (Horticulture and Crop Science) received **\$286,558** for researching *Development of grafting technology to improve sustainability and competitiveness of the U.S. fruiting vegetable industry* from North Carolina State University.

**OARDC Honors Award Winners at Conference** on April 16 at its 2015 annual research conference in Columbus.

**Distinguished Senior Faculty Research Award** was given to [Steve Schwartz](#), professor and Carl E. Haas Endowed Chair, [Department of Food Science and Technology](#). He studies the role of dietary phytochemicals (natural chemical compounds in plants) and functional foods in health, especially cancer prevention. His research on carotenoids (natural pigments found in plants), for example, has shown they can help prevent several types of cancer.

**Distinguished Junior Faculty Research Award** to [Andy Michel](#), associate professor, [Department of Entomology](#), studies how insect pests adapt to rapidly changing selection pressures in ecosystems. He uses the new knowledge to help secure and improve food production.

**Director's Innovator of the Year Award** presented to [Hua Wang](#), professor, [Department of Food Science and Technology](#), was recognized for her contributions to understanding and controlling antibiotic resistance, a challenge for food safety, public health and the healthcare industry.

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## Funding Opportunities

*If you have questions about the process or need assistance with proposal development and submission, contact the Grant Development Support Unit at [gdsu@osu.edu](mailto:gdsu@osu.edu) or 330-263-3647.*

### [Geomorphology and Land Use Dynamics](#) NSF

The Geomorphology and Land-use Dynamics Program supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that quantitatively investigates the coupling and feedback among such processes, their rates, and their relative roles, especially in the contexts of variation in climatic, biologic, and tectonic influences and in light of changes due to human impacts. Such research may involve fieldwork, modeling, experimentation, theoretical development, or combinations thereof. **Proposals are accepted at any time.**

### [2015 EPA Science to Achieve Results \(STAR\) Fellowships for Graduate Environmental Study](#)

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is offering Graduate Fellowships for master and doctoral level students in environmental fields of study. The deadline for submission of applications is May 26, 2015 at 11:59:59 PM. Subject to availability of funding and other applicable considerations, the Agency plans to award approximately 55 new fellowships in the Fall of 2015. The Fellowship Program provides up to \$44,000 per year of support per fellowship. Master's level students may receive a maximum of two years of support (\$88,000). Doctoral students may be supported for a maximum of three years (\$132,000), usable over a period of five years. **Due May 26.**

## [NSF Faculty Early Career Development Program: CAREER](#)

CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible.

**DUE DATE: July 21, 2015**

## **OPEN USDA-NIFA Funding Opportunities**

### [AFRI-FOUNDATIONAL PROGRAMS](#)

USDA- NIFA- AFRI

**DUE DATE: Varies by program area**

### [Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program \(WAMS\)](#)

USDA-NIFA

**DUE DATE: May 29, 2015**

### [Food Security Challenge](#)

USDA –NIFA-AFRI

**DUE DATE: June 4, 2015**

### [Agriculture and Natural Resources Science for Climate Variability and Change Challenge](#)

USDA- NIFA –AFRI

**DUE DATE: June 4, 2015**

### [Specialty Crop Research Initiative \(SCRI\)](#)

**DUE DATE: July 2, 2015**

### [Water for Agriculture Challenge](#)

USDA – NIFA - AFRI

Letter of Intent Deadline: April 9, 2015

**DUE DATE: July 16, 2015**

### [Biomass Research and Development Initiative \(BRDI\)](#)

(USDA and DOE)

**Full Application Due: July 27, 2015**

## [Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program \(WAMS\)](#)

This program supports research and extension projects that have robust collaborations to increase the participation of women and underrepresented minorities from rural areas in science, technology, engineering, and mathematics fields that are relevant to USDA priorities identified by the Secretary: (i) Promotion of a safe, sufficient, and nutritious food supply for all Americans and for people around the world; (ii) Sustainable agricultural policies that foster economic viability for small and mid-sized farms and rural businesses, protect natural resources, and promote value-added agriculture; (iii) national leadership in climate change mitigation and adaptation; (iv) Building a modern workplace with a modern workforce; and (v) Support for 21st century rural communities. **DUE DATE: May 29, 2015**

The lifecycle of grants and cooperative agreements consists of four phases: Pre-Award, Award, Post-Award, and Close Out. Click [here](#) to view information on NIFA's grants process.



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

Links:

[Grant Development Support Services](#)

[Research News Archive](#)

[Grants Toolkit](#)