

# College of Food, Agricultural, and Environmental Sciences

## ***Research News – March 2017***

**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.

[Contact the Grant Development Support Unit for Proposal Development Services!](#)

### **NCURA Peer Review Available for Review**

On November 1 - 4, 2016, the College of Food, Agricultural, and Environmental Sciences (CFAES) hosted three nationally recognized research administrators who reviewed the CFAES research enterprise as part of the National Council of University Research Administrators (NCURA) peer review program. The final report and their recommendations are available for your review and we would appreciate any feedback. <https://cfaes.osu.edu/ncura-peer-review>. You may use the comments section of the website (anonymous) or you may email [kaser.37@osu.edu](mailto:kaser.37@osu.edu) directly.

[The Foundation for Food and Agriculture Research \(FFAR\)](#) seeks expert reviewers from academia, federal and state governments, industry, commodity groups, professional organizations, and other stakeholder groups to evaluate research proposals submitted in response to calls for proposals. FFAR will establish a database of experts, who will be asked to serve as peer reviewers based on each individual's balance of scientific expertise and experience as deemed appropriate for evaluating the specific research proposal. Selected experts will evaluate proposals against criteria established by FFAR, and provide comments and scores which will form the bases of the FFAR funding decision. The evaluation will be done using an e-grantmaking website, [proposalCentral](#). Reviewers will be offered honoraria. [Read more.](#)

### **Export Control Regulations**

Export control regulations are Federal laws that restrict the export of information, goods, and technology to persons and entities outside the U.S. as well as to foreign nationals inside the U.S. The regulations are lengthy, complex and difficult to interpret and they apply (regardless of sponsor) to research conducted under grants, agreements and contracts. Export controls may also apply to NDA's, MTA's, I-129 petitions, foreign travel, and non-funded research. Export technology controls and the countries that are restricted change frequently. [The OSU - Office of Research Compliance](#) should be consulted for any export control questions (including international travel). Their [website](#) has detailed information related to export control regulations. While the investigators must understand their obligations and are responsible for complying with the regulations, in the event of noncompliance, it can affect the entire research community.

### **Office of Research, Grant Writing News**

The Office of Research provides a campus-wide subscription to this excellent newsletter.

<http://go.osu.edu/grantwritingnews> The newsletter is relevant to anyone involved in research, i.e., faculty, staff, postdocs, graduate, and/or undergraduate students. Some of the topics for February 2017 include:

- Avoid the Stream-of-Consciousness Narrative
- Four Key Questions in Editing the Narrative
- Seed Your Narrative with Explanatory Clauses
- Surviving Chaos in Proposal Development
- Helping New Faculty Give Birth to Fundable Ideas

## Awards

### Ohio Water Development Authority

- **Ryan Winston (FABE), \$174,036**, Bio retention and permeable pavement: Quantifying nutrient reduction and evaluating material specifications and sources

### Ohio Environmental Protection Agency

- **Ryan Winston (FABE), \$189,779**, Update of Ohio's construction general permits; Revisions to Ohio's post-construction guidance (rainwater and land development manual); and development of tools to facilitate greater application and crediting of green infrastructure practices

### University Collaborations

- **Matt Kleinhenz (Hort. & Crop), Chris Taylor (Plant Path), Subba Kumarappan (ATI) \$198,842, University of Minnesota**, Resources that help sustainable-organic vegetable growers select, use, and evaluate microbe-containing crop stimulants (MCCSs) more effectively
- **Devin Peterson (Food Science & Tech.), \$95,000, University of Wisconsin**, Commercialization of hazelnuts for growers in the upper Midwest
- **Shelley Dee Jepsen (FABE ), \$95,000, Penn State University**, Strengthening the safety in agriculture for youth program

## Learning Opportunities

### Post-Award Fiscal Management of Sponsored Programs

Target Audience: Faculty, Administrative/Fiscal Support Staff

Presenter: Angie LeMaster - CFAES Finance Office

Come learn about these exciting topics!

- Financial responsibilities in monitoring projects: Who does what as the PI, Department Administrator, CFAES Administration, OSP
- Audit worthy transactions, best practices for cost transfers, and close-out of awards-project overrun concerns
- Communicating with OSP about budget revisions, switching project personnel, nearing end date, extensions, and supplemental funding
- Release Time/Cost Share Form-considerations, accuracy and how to avoid issues
- Effort Certification (eCert) and why this is necessary

### 2 Dates/Locations:

March 15, 2017, 10:00 a.m. – 12:00 p.m.  
Wooster Campus—Fisher North

March 21, 2017, 10:00 a.m. – 12:00 p.m.  
Columbus Campus—Ag Admin, Rm 205

### Data Management Basics

March 29, 2017, 4:00 - 5:00 p.m.

Research Commons, 18th Avenue Library (3<sup>rd</sup> Floor)

Who: OSU graduates, postdocs, and faculty

Tired of searching for lost files? Worried the spreadsheet you're editing isn't the most recent version of your data?

Looking for a better way to keep track of your methods and results? Join Amanda Rinehart, OSU's Data Management Services Librarian, to learn more about creating a file naming system, tracking versions, and maintaining meaningful metadata for your research projects.

### IRB and International Research

**Register:** <https://library.osu.edu/researchcommons/event/sp17-irb-international-research/>

The Office of Responsible Research Practices is offering a workshop on creating and submitting proposals for researchers who plan to conduct research in international locations. This session will:

- Debunk common myths about international research
- Explain how to create and submit Buck-IRB proposals
- Provide tips about the informed consent process, including scenarios when a waiver of consent documentation may be appropriate

**Who:** OSU faculty, postdocs, and graduates

**When:** Tuesday, March 28, 4:00 – 5:00 p.m.

**Where:** Research Commons, 3<sup>rd</sup> floor of 18<sup>th</sup> Avenue Library

### Financial Knowledge Workshop, March 27, 28, 29, 2017, 5:30-8:00 p.m.

To register, send an email to Betty Aylsworth (BioHio) [aylsworth.1@osu.edu](mailto:aylsworth.1@osu.edu) by March 20th. Location will be determined once all RSVPs are sent in. The Financial Knowledge Workshop is hosted by BioHio Research Park (Shauna Brummet), OARDC Research Scholars, and sponsored by the Interim Dean of Research and Graduate Education (Charles Goebel).

March 27, 2017	March 28, 2017	March 29, 2017
a. Understand Balance, Income & Cash Flow Sheets b. Measure & Control using Financial Ratios c. Differentiate between Profit & Cash Flow	a. Create Pro-Forma Statements b. Learn how to Value your Business c. Analyze risk through Scenario Analysis d. MIT Clean Energy Startup Simulation	a. Find Funding Sources b. Real-world Considerations

### Funding Opportunities

#### USDA-NIFA Funding Opportunities

##### [Biotechnology Risk Assessment Research Grants Program \(BRAG\)](#)

The purpose of the BRAG program is to support the generation of new information that will assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically engineered organisms (GE), including plants, microorganisms — such as fungi, bacteria, and viruses — arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. **Deadline: March 30, 2017**

##### [Methyl Bromide Transition \(MBT\)](#)

The methyl bromide transition program addresses the immediate needs and the costs of transition that have resulted from the scheduled phase-out of the pesticide methyl bromide. Methyl bromide has been a pest and disease control tactic critical to pest management systems for decades for soil borne and postharvest pests. The program focuses on integrated commercial-scale research on methyl bromide alternatives and associated extension activity that will foster the adoption of these solutions. Projects should cover a broad range of new methodologies, technologies, systems, and strategies for controlling economically important pests for which methyl bromide has been the only

effective pest control option. Research projects must address commodities with critical issues and include a focused economic analysis of the cost of implementing the transition on a commercial scale. **Deadline: April 25, 2017**

#### [Children, Youth and Families at Risk \(CYFAR\)](#)

The CYFAR mission is to marshal resources of the Land-Grant and Cooperative Extension Systems so that, in collaboration with other organizations, they can develop and deliver educational programs that equip youth who are at risk for not meeting basic human needs with the skills they need to lead positive, productive, contributing lives.

**Deadline: March 29, 2017**

#### [Supplemental and Alternative Crops \(SACC\)](#)

The Supplemental and Alternative Crops Competitive (SACC) Grants Program will support the development of canola as a viable supplemental and alternative crop in the United States. The goal of the SACC program is to significantly increase crop production and/or acreage by developing and testing of superior germplasm, improving methods of planting, cultivation, and harvesting, and transferring new knowledge to producers (via Extension) as soon as practicable. **Deadline: April 11, 2017**

#### **Joint NIFA-NSF Funding Opportunities**

##### [Cyber-Physical Systems \(CPS\) \(Joint NSF\) Competitive Grants Program](#)

Cyber-physical systems (CPS) are engineered systems that are built from, and depend upon, the seamless integration of computational algorithms and physical components. Advances in CPS will enable capability, adaptability, scalability, resiliency, safety, security, reliability, and usability that will far exceed the simple embedded systems of today. CPS technology will transform the way people interact with engineered systems -- just as the Internet has transformed the way people interact with information. **Deadline: March 26, 2017**

#### **Foundation for Food and Agricultural Research (FFAR)**

The [Pollinator Health Fund](#), created by FFAR, focuses on research and technology development with direct impacts on pollinators in agricultural landscapes and applications to beekeeping, land management, and farming practices.

**Deadline: Pre-Proposals: April 17, 2017**

[The Rapid Outcomes from Agricultural Research \(ROAR\) program](#). The purpose of ROAR is to disburse funds for research and extension in response to emerging or unanticipated threats to the nation's food supply caused by agricultural pests and pathogens. ROAR enhances our capacity to mitigate, contain and prevent outbreaks. Research funded through ROAR is short term and focused on diagnostics, monitoring protocols, coordinating response teams and developing prevention and mitigation strategies that will be applied quickly through extension or other outreach methods. **Deadline: May 1, 2017**

#### **Environmental Protection Agency (EPA)**

##### [2017 RFA for Great Lakes Long-Term Biology Monitoring Program: Zooplankton, Benthos, Mysis and Chlorophyll a Components](#)

The EPA is seeking applications for a project to continue the long-term monitoring of zooplankton, benthos, Mysis and chlorophyll-a in the open waters of the Great Lakes. EPA is also seeking applications to supplement the long-term monitoring program with a synoptic whole lake assessment of benthos.

**Deadline: March 17, 2017**

#### **Internal Opportunities**

##### [The Accelerator Award](#)

The Accelerator Award is a funding program based on the idea that a small amount of capital, strategically focused, can make a large difference in advancing a technology along the commercialization pathway. The Accelerator Award is designed to provide funding to further develop and validate promising technologies over a 3- to 6-month timeline. Through this mechanism, the unlicensed inventions may become more marketable to potential licensing and business partners. The OSU Technology Commercialization Office must have an Invention Disclosure on file for the technology (which can be submitted just before initiating the application). Funded activities can include establishing the proof of concept that the technology will work in the intended commercial application, prototype development, and pre-clinical or clinical development. Preference is given to platform technologies. See Shauna Brummet ([brummet.1@osu.edu](mailto:brummet.1@osu.edu)) for details and to apply, she can also help you develop a compelling application for this funding opportunity. **Deadline: March 27, 2017**

#### [Translational Data Analytics announces spring 2017 seed grant](#)

Translational Data Analytics is seeking proposals from teams that wish to form new, interdisciplinary teams to generate preliminary study concepts, technologies, data and results encompassing data analytics. These proposals will support the creation of a community of scholars dedicated to identifying, sharply defining and providing solutions to problems within the scope of TDA. **Letter of Intent deadline is Tuesday (3/21/17).**

#### [Discovery Theme, Food for Health, Request for Proposal](#)

The FFH-FIC Seed Grant Competition is a university-wide initiative with a primary goal of advancing the use of metabolomics-based technology in food and nutrition research for the improvement of global health.

**Deadline: April 14, 2017**

#### [Fisher College of Business, Leadership Research Grant Program](#)

The Fisher Leadership Initiative in the Fisher College of Business, The Ohio State University, is pleased to announce a research grant program for the study of leadership. The Initiative plans on awarding \$75,000 in grants for research that will be completed by the end of the 2017 – 2018 Academic Year. Proposals from outside the Fisher College of Business are especially encouraged, as are proposals that cross disciplinary boundaries.

**Deadline: April 3, 2017**

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](#)



[CFAES](#)



[OSU EXTENSION](#)



[OARDC](#)



[OHIO STATE ATI](#)



**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

©2016, The Ohio State University

[OHIO STATE UNIVERSITY EXTENSION](#)

[OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER](#)

[cfaes.osu.edu](http://cfaes.osu.edu)