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

January 2018

Happy New Year! Here is the latest in CFAES research news.

New RCR Compliance Policy

The Office of Research is now requiring that all eligible personnel (faculty, staff, and students) complete a **new** online Responsible Conduct of Research (RCR) course through the CITI website. As a first step, ***all eligible personnel (faculty, staff, postdocs, and students) are required to complete RCR training by June 30, 2018.*** This requirement is in addition to any other RCR training that you may have taken to date. If you are listed on an IACUC or IRB protocol, you will be required to complete this RCR training *in addition to* the appropriate CITI module. Read more on the Office of Research website.

Save the Date!

CFAES Student Research Forum
March 1, 2018, Nationwide 4-H Center,
Abstract Submission is now open.

OARDC Annual Research Conference,
April 27, 2018, Wooster, Ohio

Read the NSF Proposal & Award Policy Newsletter! Topics in this month's edition include:

- Updated Proposal & Award Policies and Procedures Guide
- Account Management Updates
- Unfunded Collaborations
- Public Access Policy – Results of NSF Funded Research
- Proposal Preparation and Submission in Research.gov to Begin in April

Call for Proposals: Excellence in Teaching and Learning

The Academy of Teaching's annual conference will be held on Thursday (5/3). Now through Monday (1/22), we invite proposals from Ohio State instructors for presentations on any topics related to enhancing the quality and effectiveness of university teaching and student learning. We encourage you to consider this year's conference theme, Creating Inclusive Connections, when crafting your proposal.

Office of Research system upgrades planned for January 5-6

The Office of Research (OR) Information Systems group will be conducting system upgrades starting at 6 p.m. on Friday, January 5, 2018, and ending Saturday, January 6, 2018, at noon. During this time, the OR suite of applications, including Buck-IRB, e-Protocol, e-COI, CITI, ePA-005, and PI Portal will be unavailable. Contact the OR Help Desk with questions.

Computing and Networking Resources at Ohio State

Ohio State's Research Computing Committee has assembled a list of computing and networking resources for researchers. The list includes information on electronic lab notebooks, large scale computing and storage, data networking, software, governance and policy and more.

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Contact us for proposal development services or with any comments or questions. To submit news items or request certain topic areas, email FAES Grant Support at gdsu@osu.edu.

Q & A

AS A FACULTY MEMBER, IN WHAT WAYS CAN I BE COMPENSATED ON A SPONSORED PROJECT?
For a sponsored project which OSU is the lead, you can be directly appointed to the project as a percentage of your time during the academic year usually designated "release time" and up to three months of off-duty pay.
If OSU is not the lead, it is possible to be a consultant on the project. As a consultant, the faculty member may not use the university name or the fact that they are affiliated with OSU, letterhead, university Institutional Review Boards (IRBs). Or university facilities unless the university is compensated.

Additional information can be found in the Faculty Paid External Consulting Policy. In addition, the faculty member must submit a Paid External Consulting Approval Form to the tenure initiating unit (TIU) and be approved by the TIU chair and dean before the work may start.

WHAT IS FACILITY AND ADMINISTRATIVE (F&A) COSTS? WHAT ARE THE CURRENT F&A COST RATES AT OSU?
Facilities & Administrative (F&A) costs are those costs associated with providing and maintaining the infrastructure that supports the research enterprise (buildings and their maintenance, libraries, etc.) that cannot easily be charged to a specific project. The university encourages including the appropriate F&A costs in all proposal budgets, unless the sponsor specifically prohibits them, and it expects that F&A costs will be recovered to the maximum extent possible. The F&A costs rates vary based on the nature of the sponsored project, i.e. research, instruction, and other sponsored activities, and where the research is to be conducted, i.e. on-campus or off-campus. The current F&A rates can be found here.

Educational Opportunities

Dissertation Boot Camp in January

The Office of Diversity and Inclusion and the Graduate School will host the 2018 Dissertation Boot Camp Friday (1/26) to Sunday (1/28). The retreat provides Ohio State doctoral candidates with the space to work on their dissertations with others; develop a plan to complete their dissertations; and create a strong support system for students across academic disciplines. **Registration required by Friday (1/5).**

Introduction to the *New* PI Portal
Wednesday, January 10, 1:30-2:30pm
117 Research Administration Building
Office of Research Staff will provide an overview of the new, redesigned PI Portal, demonstrate its enhanced features and address questions related to its use. This session is intended for faculty as well as department and college staff who use the PI Portal to access project financial information. Please register to attend here.

NIH Human Subjects Changes
Thursday, January 11, 9:00-10:30am
Room 113, Research Foundation
NIH is in the process of implementing changes to their human subject research policy, which will take effect in January 2018. This 1.5 hour session for staff will provide an overview of these changes and their impact on research administration staff at OSU. Policies to be discussed include the new clinical trial definition, single IRB submission, expanded registration and reporting in ClinicalTrials.gov, and clinical trial specific FOAs and FORMS-E. Register via BuckeyeLearn.

Demystifying NSF Grant Applications and Using Fastlane
Wednesday, January 17, 1:00-2:00pm
Video-linked Kottman Hall 200 (Columbus) - Research Services 130 (Wooster)
For those who use Cayuse424 for the applications they submit, NSF's submission system, FastLane, can be confusing. This workshop will provide some help with understanding NSF proposal forms and submission requirements. We will also discuss which Internet browsers "get along" with FastLane and what kind of problems may be encountered with the wrong browser settings. We will also walk through an actual proposal submission in Fastlane, so you may learn some of our tips for making sure all the information gets placed correctly.
Presenter: Andrea Gorzitze, FABE Grants Development Specialist
Please register if you plan to attend.

Grants for Graduate Students: How to Successfully Apply for a CGS Grant
Friday, January 19, 12:00-1:30pm
Research Commons, 3rd floor of 18th Avenue Library
Are you a graduate student interested in research, conference travel, and professional development grants available to you through the **Council of Graduate Students (CGS)**? Want to know how to push your CGS grant application over the top? Come to this session to learn the ins and outs of applying for the Global Gateway Grant, Ray Travel Award, Career Development Grant, and Hayes Research Forum. **A light lunch will be provided.** Register here.

Industry Engagement 101: Collaborating with Commercial Enterprises Workshop
Thursday, February 1, 12:00-1:30pm
Research Commons, 3rd floor of 18th Avenue Library
This workshop, led by staff from the Industry Liaison Office, addresses the challenge of bridging the industry-university divide by providing researchers with a fundamental understanding of the value of industry engagement and the engagement continuum, tools for rapidly vetting and solidifying industrial opportunities, and knowledge of the support resources at OSU that are key to helping secure and nurture industrial relationships. Register here.

Institutional Compliance and Risk Assessment at the University Level
Thursday, February 8, 2018, 1:00—2:30pm
35 Psychology Building
This 1.5 hour workshop will feature Ohio State's Vice President and Chief Compliance Officer Gates Garrity-Rokous. Risk assessment at a major research university with a major athletics program and a medical center is a balancing act, and few at OSU are aware of how the wide variety of risks facing the institution are understood and compared and resources allocated to mitigate them. Learn about risk assessment at OSU and how research risks are seen in that assessment. Register via BuckeyeLearn.

See a full listing of upcoming events on our webpage.

Funding Opportunities

NSF—Economics Program
The Economics program supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.
Deadlines: January 18, 2018 and August 20, 2018

Ohio Vegetable and Small Fruit Research and Development Program (OVSFRDP)
The goal of the OVSFRDP is to improve the profitability and marketability of vegetable and small fruit crops through research and development. The grower-generated grant funds sponsor crop research supporting the development of new varieties, new cultural and pest management practices, and other activities to enhance the profitability of vegetable and small fruit crops.
Deadline: January 20, 2018

USDA—Beginning Farmer and Rancher Development Program (BFRDP)
Beginning farmer education for adult and young audiences in the United States can generally be traced back to the advent of the 1862 and 1890 Morrill Land Grant Acts. But for the first time, the Food, Conservation, and Energy Act of 2008 appropriated $75 million for FY 2009 to FY 2012 to develop and offer education, training, outreach and mentoring programs to enhance the sustainability of the next generation of farmers. The Agriculture Act of 2014 provided an additional $20 million per year for 2014 through 2018. The reasons for the renewed interest in beginning farmer and rancher programs are due to the rising average age of U.S. farmers; the 8% projected decrease in the number of farmers and ranchers between 2008 and 2018; and the growing recognition that new programs are needed to address the needs of the next generation of beginning farmers and ranchers.
Deadline February 8, 2018

DARPA—Advanced Plant Technologies Program
The Advanced Plant Technologies (APT) program is a synthetic biology program with the vision to harness plants' natural mechanisms for sensing and responding to environmental stimuli and extend them to detect the presence of certain chemicals, pathogens, radiation, and even electromagnetic signals. APT aims to modify the genomes of plants in order to program in these specific types of sensing and trigger discreet response mechanisms in the presence of relevant stimuli in a way that does not compromise the plants' ability to thrive. DARPA's goal is to modify multiple and complex traits, allowing plants to sense and report on numerous stimuli. To succeed, APT will address how modified plants allocate internal resources and compete in natural environments.
Deadline: February 21, 2018

USDA—Organic Agriculture Research and Extension Initiative (OREI)
The OREI seeks to solve critical organic agriculture issues, priorities, or problems through the integration of research, education, and extension activities. The purpose of this program is to fund projects that will enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products.
Deadline: March 1, 2018

Foundation
FFAR—Rapid Outcomes from Agricultural Research (ROAR) program
The Rapid Outcomes from Agricultural Research (ROAR) program provides nimble deployment of funds to support research and outreach in response to emerging or unanticipated threats to the nation's food supply or agricultural systems. ROAR participants may apply for funds prior to an outbreak for development of diagnostics, monitoring and mitigation strategies, or enter into an agreement with FFAR that enables the quick release of funds should an outbreak occur. In this way, the ROAR program supports pre-outbreak efforts, and in the case of an outbreak, fills the gap until traditional, longer-term funding sources can be secured.
Deadline: Ongoing

Internal
SERC seed grant funding available
The Subsurface Energy Resource Center invites Ohio State faculty and research staff to apply for seed grant funding. Offered new for 2018, proposals will be considered from a broader scope of energy and environmental related research.
Deadline: January 31, 2018

Academic Enrichment International Research Grants
The Office of International Affairs is seeking applications for its Academic Enrichment International Research Grants, which support activities with lasting impact across the globe. The grant competition is open to faculty, graduate students and undergraduates whose applications focus on research projects that address global issues, connect discipline-specific research to programs in diverse cultural settings, explore the languages, cultures, arts, social sciences and area studies and/or promote active collaborations with institutional partners.
Deadline: February 9, 2018

Recent Awards

Brad Bergefurd, Piketon South Center; Matthew Davies, SENR; $125,000: Marketing and orchard resource efficiency for Ohio pawpaw production, Ohio Department of Agriculture

Yu (Gary) Gao, Piketon South Center; **$89,660**: New bramble cultivars and production systems, and hard figs and hardy kiwis for healthy Ohio, Ohio Department of Agriculture

Melanie Ivey, Plant Path; Sanja Ilic, EHE; $142,844: Establishing science-based water quality and sanitation guidelines for hydroponic leafy green production systems, Ohio Department of Agriculture

Rattan Lal (SENR); $241,001: Environmentally and economically sustainable agriculture program for the Dannon yogurt supply chain: Soil health, carbon sequestration, greenhouse gases and water, The Dannon Company, Inc.

Konrad Dabowski (SENR); $100,000: New strategy for eradication of Asian carps, National Institute of Food & Agriculture

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