

Research News

January 2016

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.

Update

Change in mileage rates for Sponsored Projects

Beginning January 1st, the federal mileage rate will decrease from \$0.575 to \$0.54 per mile. The State of Ohio mileage rate remains at \$0.52 per mile. The travel forms on the CFAES Forms page have been updated with this new rate. CFAES has provided a supplement Q & A to the University Travel Guide, which can be accessed [here](#) for additional travel clarifications.

[New Faculty Guide to Competing for Research Funding](#)

What all faculty need to know about finding funding and writing proposals. The Grantseeker's Toolkit was developed to provide members of the OSU CFAES research community with information they can use to identify an effective strategy for writing successful proposals. OSU ID required to access.

[Office of Sponsored Programs Guidance](#)

On occasion, a PI leaves the university, this may be due to transferring to a new institution, sabbatical, illness or other approved leave. In most cases it is necessary to obtain sponsor approval before making changes in the principal investigator status during any period of leave of more than three months. At a minimum the leave should be reported to the Sponsored Program Officer.

[New Buck-IRB Updates](#)

The following features have been added to the Buck-IRB online submission system: IRB/exempt correspondence (e.g., approval letters and incomplete notices) is generated from Buck-IRB, sent

in email, and stored, accessible to the study team; automated CITI training expiration notices are sent from the system to all active study team members; and study expiration dates are visible in the personal workspace.

The most recent [OARDC Bi-Monthly report](#) has been released. Please take the opportunity to review and share with stakeholders.

[Grant Development Support Unit](#)

As you identify and develop a grant opportunity that supports your research interests, please contact our grant specialist in the CFAES Grant Development Support Unit: [Pam Schlegel](#) or [Sarah Elvey](#). They can answer questions, create budgets and manage the proposal submission process for you. **All grant proposals** seeking external funding, including those submitted by students, must be approved by OSU authorized officials before they are submitted to sponsors – no matter how small the amount of funds requested.

Research Development and Grant Writing News

The Office of Research provides a campus-wide subscription to Research Development and Grant Writing News; access current and past issues at go.osu.edu/grantwritingnews. The December issue includes ways to avoid the “Mule’s Kick” at NSF, heuristic white papers, writing tips for non-native English speakers, new funding opportunities and more. OSU login required to access.

Recent Awards

Robyn Wilson, Steven Culman, Kristi Lekies (SENR) and Doug Doohan (Horticulture and Crop Science), received **\$498,658** from the National Institute of Food & Agriculture, Organic Transitions Program for *Quantifying and predicting the effects of ecological weed management strategies on organic agroecosystems to inform farmer decision making*.

Mark Sulc (Horticulture and Crop Science) received **\$58,527** from the University of Maryland as part of a larger NIFA award titled *Potato leafhopper threshold revised for alfalfa host resistance and alfalfa-grass mixtures*.

Patricia Bebo and Ana Claudia Zubieta (Extension, Human Ecology) received an award of **\$7,019,657** from the Ohio Department of Job & Family Services to provide services under the *Ohio SNAP-Ed program*.

Lingying Zhao (FABE) and Jiyoung Lee (Public Health) received **\$494,016** from the Ohio Department of Health for *Electrostatic precipitation air cleaning of particulate matter (PM) emissions at animal production facilities*.

Call for Nominations / Speakers

The Ohio State University - [Innovate 2016 Request for Proposals](#)

What technology solutions foster excellence through investigation, instruction, creation, and outreach? Is there a fresh idea you'd like to share, a technique you've come up with, or a new tool you love? Present it at the Innovate conference May 11, 2016.

Breakout sessions will run throughout the day, and we encourage you to break the traditional lecture mold and present in an inclusive, engaging way that fits for your content. Preference will be given to proposals including one or more teaching staff and to multi-presenter and cross-disciplinary presentations. The request for proposals closes on **January 30, 2016**.

[The Foundation for Food and Agriculture Research](#) is now accepting nominations for the New Innovator in Food and Agriculture Research Award. The Award will fund new faculty and their teams of graduate students and post-doctoral scholars to conduct innovative research with potential to expand the availability of food and facilitate the global practice of sustainable agriculture as the world's population grows to more than 9 billion people by the year 2050. The program is intended to shine a spotlight on food and agriculture sciences and elevate the field in the scientific arena.

FFAR will award each applicant up to \$100,000 per year for three years with an additional \$100,000 required cash match for a total award of up to \$600,000. [OSU Internal Candidate Nomination: 1/13/16](#)

Funding Opportunities

Federal Funding Opportunities

[Beginning Farmer and Rancher Development Program \(BFRDP\) USDA-NIFA](#)

Beginning farmer education for adult and young audiences in the United States can be generally traced back to the advent of the 1862 and the 1890 Morrill Land Grant Acts. But for the first time, the Food, Conservation, and Energy Act of 2008 (Pub .L. No. 110-234, Section 7410), 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: 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: 01/21/16**

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

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 (including fungi, bacteria, and viruses), arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. The BRAG program accomplishes its purpose by providing Federal regulatory agencies with scientific information relevant to regulatory issues. **DEADLINE: Letter of Intent – 02/12/16**

[Organic Agricultural Research and Extension Initiative \(OREI\) USDA-NIFA](#)

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. Priority concerns include biological, physical, and social sciences, including economics. The OREI is particularly interested in projects that emphasize research, education and outreach that assist farmers and ranchers with whole farm planning by delivering practical research-based information. Projects should plan to deliver applied production information to producers. Fieldwork must be done on certified organic land or on land in transition to organic certification, as appropriate to project goals and objectives. **DEADLINE: 03/10/16**

[Organic Transitions \(ORG\) USDA-NIFA](#)

The overall goal of the Organic Transitions Program (ORG) is to support the development and implementation of research, extension and higher education programs to improve the competitiveness of organic livestock and crop producers, as well as those who are adopting organic practices. ORG will continue to prioritize environmental services provided by organic farming systems in the area of soil conservation and climate change mitigation, including greenhouse gases (GHG). Two new priorities have been added to support (1) the development of educational tools for Cooperative Extension personnel and other agricultural professionals who advise producers on organic practices and (2) the development of cultural practices and other allowable alternatives to substances recommended for removal

from the National Organic Programs National List of Allowed and Prohibited Substances. Practices and systems to be addressed include those associated with organic crops, organic animal production, and organic systems integrating plant and animal production. **DEADLINE: 04/15/2016**

[Agricultural and Food Research Initiative \(AFRI\) – Food, Agriculture, Natural Resources and Human Sciences Education and Literacy Initiative, USDA_NIFA](#)

DEADLINES:

Predoctoral Fellowships	APPLICATION DEADLINE: February 11, 2016	
Postdoctoral Fellowships	APPLICATION DEADLINE: February 11, 2016	
Professional Development Opportunities for Secondary School Teachers		APPLICATION DEADLINE: March 18, 2016
Research and Extension Experiential Learning for Undergraduate (REEU) Fellowships		APPLICATION DEADLINE: March 24, 2016

[Minor Crop Pest Management Program Interregional Research Project #4 \(IR-4\)](#)

The purpose of the IR-4 program is to enable the crop protection industry to provide safe, effective, and economical crop protection products for growers and consumers of minor/specialty crops. The crop protection industry cannot justify the costs associated with the research and development, registration, production, and marketing of crop protection products for minor/specialty crops due to the smaller market base and limited sales potential. The IR-4 program provides the assistance needed to ensure that new and more effective crop protection products are developed and made available to minor/specialty crop producers. These efforts require effective collaborations among federal agencies, the crop protection industry, and land-grant colleges and universities. **DEADLINE: 2/18/16**

[Division of Integrative Organismal Systems \(IOS\) – NSF](#)

Proposals focused on plant-microbial symbioses of all types formerly accepted for review in the Symbiosis, Defense, and Self-recognition Program in the Physiological and Structural Systems Cluster of IOS under the IOS Core Programs Solicitation will no longer be accepted into the Core track of this solicitation. This important area of research will still be supported by IOS however. Proposals on plant-microbial symbioses will now be accepted for review in a *new* program supported and managed by NSF IOS and the USDA National Institute of Food and Agriculture (NIFA). Information about the new joint solicitation in plant-microbial symbioses and interactions will be forthcoming in late 2015. Projects focused on development of functional genomic tools, approaches and infrastructure that are intended to enable genome manipulation of plant-microbial symbioses may be submitted to the EDGE track of this solicitation. **DEADLINE: 01/15/16**

[Division of Environmental Biology \(core programs\) \(DEB\) - NSF](#)

The Division of Environmental Biology (DEB) supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. Research on organismal origins, functions, relationships, interactions, and evolutionary history may incorporate field, laboratory, or collection-based approaches; observational or manipulative experiments; synthesis activities; as well as theoretical approaches involving analytical, statistical, or computational modeling. **Preliminary due January 25; full due August 2.**

[Partnerships for International Research & Education \(PIRE\) – NSF](#)

Partnerships for International Research and Education (PIRE) is an NSF-wide program that supports international activities across all NSF supported disciplines. The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community. International partnerships are essential to addressing critical science and engineering problems. In the global context, U.S. researchers and educators must be able to operate effectively in teams with partners from different nations and cultural backgrounds. PIRE promotes excellence in science and engineering through international collaboration and facilitates development of a diverse, globally-engaged, U.S. science and engineering workforce. **OSU Limited Submission Opportunity DEADLINE: 04/04/16**

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

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 at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply. **DEADLINE: 7/20/16**

[Partnerships for Enhanced Engagement in Research \(PEER\)](#) is a competitive grants program administered by the National Academy of Sciences. PEER invites scientists in developing countries, partnered with US-supported collaborators, to apply for funds to support research and capacity-building activities on topics with strong potential development impacts. NASA, NIH, NOAA, NSF, USDA Agricultural Research

Service, USDA Forest Service, USDA National Institute of Food and Agriculture, USGS, and the Smithsonian Institution have entered into an agreement with USAID and are participating in the PEER program. This 2016 funding cycle PEER proposal submission has two phases: (1) A brief pre-proposal is required for all applicants. The deadline for submission of pre-proposals is **01/15/16**

EJ Collaborative Problem-Solving Cooperative Agreements Program

The Environmental Justice Collaborative Problem-Solving (CPS) Cooperative Agreement Program provides funding for eligible applicants for projects that address local environmental and public health issues within an affected community. The CPS Program is designed to help communities understand and address exposure to multiple environmental harms and risks. **DEADLINE: 02/02/16**

DE-FOA-0001437 Environmental System Science Department of Energy - Office of Science

The Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE) hereby announces its interest in receiving applications for research in Environmental Systems Science (ESS), including Terrestrial Ecosystem Science (TES) and Subsurface Biogeochemical Research (SBR). The mission of the Climate and Environmental Sciences Division (CESD) within BER is to advance a robust predictive understanding of Earth's climate and environmental systems and to inform the development of sustainable solutions to the Nation's energy and environmental challenges. The goal of the Environmental System Science (ESS) activity in the Office of Biological and Environmental Research (BER) is to advance a robust predictive understanding of terrestrial environments, extending from bedrock to the top of the vegetated canopy and from molecular to global scales in support of DOE's energy and environmental missions. Using an iterative approach to model-driven experimentation and observation, interdisciplinary teams of scientists work to unravel the coupled physical, chemical and biological processes that control the structure and functioning of terrestrial ecosystems across vast spatial and temporal scales. State-of-science understanding is captured in conceptual theories and models which can be translated into a hierarchy of computational components and used to predict the system response to perturbations caused, for example, by changes in climate, land use/cover or contaminant loading. **DEADLINE: 01/22/16**

Other Funding Opportunities

I-Corps@Ohio

I-Corps@Ohio is a statewide program developed to assist faculty, staff and students from Ohio universities, colleges and community colleges in validating the market potential of technologies and launching start-up companies. I-Corps@Ohio is modeled after the National Science Foundation's (NSF) successful I-Corps (Innovation Corps) program, which has been proven to increase innovation, entrepreneurship, and industry collaboration. The I-Corps@Ohio program incorporates lean launch, customer discovery and business model innovation methodologies to assess technologies and enhance the business acumen and networks of research faculty and students across the state. Letter of Intent **DEADLINE: 02/07/16**

Multi-State Rural Development Research or Extension Projects - North Central Region - FY 15/16

The North Central Regional Center for Rural Development (NCRCRD) 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

The North Central Regional Center for Rural Development is hosting a small grant information conference call on January 12, 2016 at 1:00 p.m. EASTERN. The session is designed to assist people interested in applying for our small grants (proposals due Feb. 2, 2016). The conference call will cover basic requirements to apply for a grant, how to find examples of past grants, common mistakes in applications, how the proposals are reviewed, and the timeline. To sign up and receive the call in information email soliz@msu.edu. **DEADLINE: 02/02/16**

Ohio Vegetable and Small Fruit Research and Development Program (OVSFRDP)

The goal of the Ohio Vegetable and Small Fruit Research and Development Program (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. **Please call or e-mail Steve Carver (contact info above) for further information. DEADLINE: 01/29/16**

OSU Internal Funding Opportunities

SEEDS [The SEEDS Graduate Competition](#) proposals are due on Wednesday, **February 3, 2016** at 5:00pm. View this short video explaining eligibility requirements and submission guidelines. <https://mediasite.osu.edu/Mediasite/Play/73c2b72132cc4794ba3ace44a451f1dc1d> (OSU sign in required and must cut and paste web address into browser.)

[The SEEDS Undergraduate Competition](#) proposals are due **January 13, 2016** at 5:00 p.m.

[The Public Health Preparedness in Infectious Disease \(PHPID\) Program and the Infectious Disease Discovery Theme announce the launch of their joint Transdisciplinary Team Grant](#) program. The overall goal of this grant program is to support faculty and staff in strengthening transdisciplinary research networks across the university so that they can become more competitive in addressing complex research challenges in infectious disease, ultimately enabling the development of a more robust extramural grant portfolio for infectious disease research at Ohio State. For more information, contact Kat Marriott marriott.20@osu.edu. **DEADLINE: 03/15/16**

[OSU Office of University Outreach and Engagement, Connect and Collaborate Grants Program](#)

The **Connect and Collaborate Grants Program** provides more than \$675,000 in multiple and diverse funding opportunities for students, faculty and staff to catalyze engaged, collaborative teaching and research with the goal of enhanced impact. The grants leverage teams and partnerships addressing challenges or opportunities related to the Discovery Themes areas of Energy and Environment, Food Production and Security, Health and Wellness and/or Humanities and the Arts. **DEADLINE: 02/02/16**

[Awards for Innovators](#)

Accelerator Awards, sponsored by the Technology Commercialization Office (TCO), Office of Research and Rev1 Ventures, provide Ohio State researchers with a small amount of capital to further develop and validate inventions, software and technologies. Awards of up to \$50,000 are granted twice each year and are available to all Ohio State faculty, postdoctoral and graduate student researchers who have disclosed their inventions to TCO.

Foundation Funding Opportunities

[Organic Farming Research Foundation \(OFRF\)](#)

The Organic Farming Research Foundation (OFRF) grants program is currently accepting research proposals from applicants residing in Canada, Mexico and the United States. In particular, OFRF encourages farmers, ranchers, graduate students, early career researchers, veterans, and Extension personnel to consider applying. OFRF recently completed a National Survey of Organic Farmers, receiving feedback from more than 1,000 farmers across the U.S. The results, which identify the issues most critical to the success of organic farmers, provide a roadmap for future research. Priorities for this year's research include projects related to soil health, with emphasis on water management (e.g., soil health for drought and flood conditions); creating new organic farmers and ranchers and transition of producers to organic systems including education and training; livestock production, especially breeding for organic systems, diseases and pasture management; and small grain production, especially related to creating a diverse rotational system. **DEADLINE: 02/08/16**

[2016 Gulf Research Program Early-Career Research Fellowships and Science Policy Fellowships](#). These fellowships offer early-career researchers and professionals in the social and behavioral sciences, health and medicine, engineering, earth and life sciences, and relevant interdisciplinary fields a unique opportunity to focus on leadership development while conducting research or work that is relevant to the [mission and goals of the Gulf Research Program](#). The Early-Career Research Fellowships recognize professionals at the critical pre-tenure phase of their careers for exceptional leadership, past performance, and potential for future contributions to improving oil system safety, human health and wellbeing, or the environment in the Gulf region. These two-year fellowships are awarded to tenure-track faculty (or equivalent) at colleges, universities, and research institutions.

To learn more about these fellowships or to apply, please [visit the Gulf Research Program's website](#). Applications for both fellowships are due on **February 17, 2016** at 11:59pm ET.

To submit news items or request certain topic areas, email FAES Grant Support at gdsu@osu.edu.

[Grant Development Support Services](#)

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