

College of Food, Agricultural, and Environmental Sciences

Research News – January 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.

New GDSU Team Member

On behalf of the CFAES Grant Development Support Unit (GDSU), we wanted to take a moment to introduce you to Melissa Burant who will be the **new SEEDS Coordinator** and your primary SEEDS contact. Melissa Burant has served for the past four years as a Program Assistant and Program Coordinator in the OARDC - Columbus Director's Office. She has gained experience writing/editing impact statements, preparing the annual NIFA Plan of Work and Report of Accomplishments, and general office management. She has also coordinated the College's "First Monday" faculty development program. Melissa has accepted a position as a Grants Development Specialist for the CFAES Grant Development Support Unit. In this new role, her primary focus will be the **SEEDS program** and proposal development, but she will continue to coordinate the "First Monday" series. Melissa received her B.A. from Ohio University in English Literature and Women's and Gender Studies. She is currently involved with the CFAES Staff Advisory Council and the CFAES Gender Initiative. Melissa is located in Columbus and will be supporting GDSU activities on both the Columbus and Wooster campuses. Her contact information follows:



Melissa Burant
Grants Development Specialist
Grant Development Support Unit
College of Food, Agricultural, and Environmental Sciences
106 Ag. Admin. Bldg. | 2120 Fyffe Rd. Columbus, OH 43210
614-292-5748 Office | burant.2@osu.edu | grants.cfaes.ohio-state.edu

Awards

Ohio Soybean Council

- **Kelley Tilmon and Andy Michel (Entomology), \$60,000**, Monitoring and management of soybean insects FY17

- **Gregory LaBarge (OSU-E), \$15,000**, Resources for nutrient management plan development and 4R adoption in the Lake Erie Watershed
- **Mark Loux (Hort & Crop Science), \$30,000**, Management of pigweeds in Ohio soybean production

University Collaborations

- **Joseph Bonnell (OSU-E), \$22,040**, University of Wisconsin, Building capacity for watershed leadership and management in twelve Mississippi River Basin states
- **Devin Peterson (Food Science & Tech), \$73,765**, University of Wisconsin, Commercialization of hazelnuts for growers in the upper Midwest
- **Laura Lindsey (Hort & Crop Science), \$30,000**, University of Nebraska, Benchmarking soybean production systems in the north-central USA - Year 2

North Central Soybean Research Program

- **Anne Dorrance (Plant Pathology), \$268,010**, Characterization of phytophthora sojae and phytophthora sansomeana populations in the north-central region and an assessment of management strategies
- **Leah McHale (Hort & Crop Science), \$1,075,355**, Increasing the rate of genetic gain for yield in soybean breeding programs

Soy Aquaculture Alliance

- **Hanping Wang (OSU South Centers), \$70,440**, Genetic improvement of soymeal diet (SMD) utilization in largemouth bass (LMB) phase one: Evaluating genetic variation of different strains and families and identifying the best strains with the genetic trait of effective utilization of SMD.

Funding Opportunities

USDA-NIFA Funding Opportunities

[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 — 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. **Letter of Intent Due: Thursday, January 26, 2017**

[Organic Transitions Program \(ORG\)](#)

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.

Sponsor: NIFA

Deadline: March 9, 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. New smart CPS will drive innovation and competition in sectors such as agriculture, energy, transportation, building design and automation, healthcare, and manufacturing. **Deadline date March 26, 2017**

[Nexus of Food, Energy and Water Systems \(INFEWS\) RFA](#) is now available for public viewing. Go to the [NIFA Funding Opportunity](#) page that includes a synopsis of the funding opportunity, a link to the full announcement (RFA) and the application package. **Deadline date March 6, 2017**

National Science Foundation

Long-Term Research in Environmental Biology [Read the full announcement.](#)

The Long-Term Research in Environmental Biology (LTREB) Program supports the generation of extended time series of data to address important questions in evolutionary biology, ecology, and ecosystem science. Research areas include, but are not limited to, the effects of natural selection or other evolutionary processes on populations, communities, or ecosystems; the effects of interspecific interactions that vary over time and space; population or community dynamics for organisms that have extended life spans and long turnover times; feedbacks between ecological and evolutionary processes; pools of materials such as nutrients in soils that turn over at intermediate to longer time scales; and external forcing functions such as climatic cycles that operate over long return intervals. **Deadline, January 23.**

Division of Environmental Biology [Read the full announcement.](#)

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. **Deadline, January 23.**

FFAR Funding Opportunities

[Foundation for Food and Agriculture Research Offers Matching Funds to Accelerate First Response to Future Agricultural Emergencies](#)

The Foundation for Food and Agriculture Research today opened the Rapid Outcomes from Agricultural Research (ROAR) program, making available up to \$150,000 in matching funds per one-year grant to combat new or emerging pest and pathogen outbreaks that threaten the U.S. food and agriculture systems. **Deadline: Ongoing**

Internal Opportunities

Funding available for faculty, staff and student engagement

The Connect and Collaborate Grants Program incentivizes faculty, staff, students and their public/private sector community partners to submit pre-proposals which have the potential to catalyze engaged, collaborative teaching and research activities benefiting the community and university. Grants up to \$70,000 are available. **Pre-proposals are due Wednesday, Feb. 1.** An information session will be held on Tuesday, Jan. 17 at 11:30 a.m. in the Research Commons and can also be viewed online at <https://carmenconnect.osu.edu/jan17ccgrants>.

Read more at <https://oaa.osu.edu/ccgrants.html>

Contact: engage@osu.edu

SEEDS: The OARDC Research Enhancement Competitive Grants Program, Student Competitions The Request for Proposals can be found at <http://www.oardc.ohio-state.edu/seeds/images/StudentRFP.pdf>

Sponsor: SEEDS: The OARDC Research Enhancement Competitive Grants Program

Deadline Dates: Graduate Proposals: February 8, 2017

Academic Enrichment Grants

The Office of International Affairs is seeking applications for its Academic Enrichment Grants, which supports activities with lasting impact across the globe. The grant competition is open to faculty, graduate and undergraduates whose applications focus on research projects that address global issues, connect discipline-specific research to programs in diverse cultural settings, explores the languages, cultures, arts, social sciences and area studies and/or promotes active collaborations with institutional partners. Apply by Monday (2/6).

To submit news items or request certain topic areas, email FAES Grant Support at 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