


College of Food, Agricultural, and Environmental Sciences

Research News – December 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.

New F&A Rate Agreement

The University has just completed negotiations with the Department of Health and Human Services on a four-year F&A rate agreement. The agreement, dated September 23, 2016, established the [new rates](#). These rates will apply through the end of FY 2020. The Grant Development Support Unit and your Sponsored Program Officer are available to help navigate the budget process and apply the new rates.

 **The definition of the OFF-CAMPUS rate has changed with this new agreement.** The category of “off-campus” research is narrowly defined in the new, negotiated rate agreement. To claim the off-campus rate, the agreement requires that we (OSU) rent facilities elsewhere, and that rent must be directly allocated to the project. The rent, utilities, etc. are meant to off-set the reduction in F&A. Foreign travel does not necessarily trigger the off-campus designation, even when that travel accounts for the bulk of the award funds.

The Impact of U.S. Export Controls and Economic Sanctions on Colleges and Universities

It is likely that University research conducted by faculty and students will be subject at some point in time to U.S. export control and economic sanctions that (a) impose access, dissemination, and/or participation restrictions on transfers to foreign persons of research regulated for national security reasons or (b) prohibit or limit collaborations with certain foreign persons. [More...](#)

Conflict of Interest

Did you know? You can update the annual Conflict of Interest Form at any time. If you find that a new potential conflict of interest exists as either a financial interest or as some other opportunity for tangible personal benefit, you can return to the form and update it to maintain transparency.

NIFA Launches ezFedGrants

In November 2016 NIFA went live with [EzFedGrants](#), a new grants management system. NIFA and other USDA agencies are adopting ezFedGrants as part of a USDA-wide grants modernization effort to lower costs, streamline the award process, reduce errors, and provide self-service capabilities for applicants and grantees. NIFA is using the system to process all FY 2017 (and future) capacity awards for eligible institutions. Competitive grant programs will not use ezFedGrants until a later date, but the goal is for NIFA to ultimately manage all its grant programs in ezFedGrants.

NSF Press Release

Universities report four years of declining federal funding. [More...](#)

Awards

National Institute of Food and Agriculture (NIFA)

- **Alex Lindsey (Hort & Crop Science), \$137,345**, *Experiencing technology in agriculture: How is technology used to improve efficiency and sustainability in modern cropping systems?*
- **Matthew Kleinhenz (Hort & Crop Science) and Subramanian Kumarappan (ATI), \$499,415**, *Ensuring the best practical use of microbe-containing crop biostimulants/biofertilizers among (transitional)-organic vegetable growers.*

United States Department of Agriculture (USDA)

- **Brian Roe (AEDE), Emily Buck (ACEL), and Annie Specht (ACEL), \$99,945**, USDA Office of the Chief Economist, *Impact measurement for the National Virtual Resource Center for food loss and waste*
- **Tom Worley and Marie Stith (OSU South Centers), \$159,987**, USDA Rural Development for *Improving the rural economy of Ohio and West Virginia through cooperative development.*

National Science Foundation (NSF)

- **Jeffrey Jacquet (SENR), \$211,504**, NSF Social & Economic Sciences, *PSC: Research Coordination Network: Fostering cross-disciplinary research on energy development.*

Ohio Soybean Council (OSC)

- **Anne Dorrance (Plant Pathology), \$100,000**, *Characterizing resistance and identifying practices for managing soybean diseases in Ohio, part II.*
- **Elizabeth Dayton (SENR), \$60,000**, *Comparison of fertilizer placement methods - YR 2.*
- **Leah McHale, (Hort & Crop Science), \$100,000**, *Specialty soybean cultivars for Ohio producers: New products for the international food grade market.*
- **Laura Lindsey (Hort & Crop Science), \$16,000**, *Yield response of soybean to late-season fungicide.*
- **Laura Lindsey (Hort & Crop Science), \$5,000**, *Improving soybean yield in double crop production systems.*
- **Monica Giusti, (Food Science & Technology), \$50,000**, *Stabilization and color enhancement of anthocyanins by isoflavones.*
- **Dennis Hall (OBIC), \$20,000**, *Soy smarts and the OBIC sustainable world tour.*

Ohio Small Grains Marketing Program (OSGM)

- **Pierce Paul (Plant Pathology) and Clay Sneller (Hort & Crop), \$101,636**, *Resistance to toxin accumulation (RTA): Screening, characterizing and reporting.*
- **Pierce Paul, (Plant Pathology), \$42,346**, *Ground-truthing the scab forecasting system and gathering data to develop Ohio-specific vomitoxin risk models.*
- **Clay Sneller (Hort & Crop Science), \$49,465**, *Utilizing diversity to improve the yield of soft red winter wheat.*
- **Clay Sneller (Hort & Crop Science), \$41,634**, *Enhanced profitability of wheat through improved yield, resistance, and diversification.*

Ohio Department of Job and Family Services (ODJFS)

- **Patricia Bebo and Ana Claudia Zubieta (Extension, Human Ecology), \$5,506,985**, *Ohio SNAP-Ed program.*

University Collaborations

- **Thaddeus Ezeji (Animal Sciences), \$57,000**, Oklahoma State University, *Butanol production with high yield and carbon conversion using novel biocatalysts.*

- **John Finer (Hort & Crop Science), \$86,529**, University of Georgia, *New breeding technologies applied to meal.*

Almond Board of California

- **Reed Johnson (Entomology), \$92,272**, *Effects of insecticide-fungicide-adjuvant combinations commonly applied to almonds during bloom to honey bee development and survival.*

Ohio Crafted Malt House LLC

- **Eric Stockinger (Hort & Crop Science), \$50,000**, *Accelerating development of diverse winter malting barley adapted to Ohio and the adjacent Midwestern, Great Lakes, and Northeastern state regions.*

Funding Opportunities

[Insect Allies Department of Defense DARPA - Biological Technologies Office](#)

The Insect Allies program will develop a platform technology for delivering enhanced crop traits within a single growing season by delivering a modified virus to target plants by a mobile insect vector. **Due January 17.**

Organic Agriculture Research and Extension Initiative. [Read the full announcement.](#)

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 land in transition to organic certification, as appropriate to project goals and objectives. **Deadline, January 19**

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.**

[University Small Grants Broad Agency Announcement](#)

This is a five-year, open-ended Broad Agency Announcement (BAA) to solicit research proposals for the United States Air Force Research Laboratory (AFRL) Directed Energy (RD) Directorate. This BAA is a university grant vehicle that can provide small grants of \$100k or less to students/professors in a timely manner for the purpose of

engaging U.S./U.S. territories' colleges and universities in directed energy-related basic, applied, and advanced research projects that are of interest to the Department of Defense. **Open to April 1, 2017.**

Multi-State Rural Development Research or Extension Projects, North Central Region

Sponsor: North Central Regional Center for Rural Development (NCRCRD) at Michigan State University

Deadline: February 2, 2017

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.

Sponsor: FFAR

Deadline: Ongoing

Funding for Food and Agriculture Challenges

The Foundation for Food and Agriculture Research has announced **Seeding Solutions**, a call to the agricultural research community to come forward with bold, innovative and potentially transformative research proposals addressing some of today's most monumental food and agriculture challenges. Prospective grantees may come forward with a proposal for up to \$1 million of FFAR funding and must secure equal or greater matching funding from a non-federal source before a grant is awarded. **Seeding Solutions is open for Pre-Proposals through Jan. 16.**

National Science Foundation: Plant Genome Research Program

Sponsor: NSF

Deadline: Proposals accepted anytime

InFACT, the Ohio State Discovery Themes Initiative for Food and AgriCultural Transformation 2016-2017 Linkage and Leverage Grant Request for Proposals

Funding is available for the 2016-2017 Initiative for Food and AgriCultural Transformation Linkage and Leverage Grants, to **Link** (forge transdisciplinary connections among Ohio State faculty, staff, students and external partners) and **Leverage** (bring new talents, expertise, and resources to our initiatives as a result of our collaborative work) to address compelling food security challenges by building on our strengths in climate, environment, technology and agroecosystems; local to global engagements; new food economies; and campus food cultures and education. Letters of Intent and Proposals will be reviewed as they are received until the available funds have been committed.

Deadline: Rolling deadline, opened October 2016

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: Undergraduate Proposals: January 11, 2017

Graduate Proposals: February 8, 2017

CFAES SPO Assignments (12/1/16)

Department	SPO	email
Administration	Ginette Busque	busque.1
Agric Comm, Educ, & Lead (ACEL)	Ginette Busque	busque.1
Agric, Environmental & Dev Econ (AEDE)	Ginette Busque	busque.1
Animal Sciences	Ben Leland	leland.8
Entomology	Ben Leland	leland.8
Food, Agric, & Biological Engr (FABE)	Karie Kennedy	kennedy.595
Food Animal Health (FAHRP)	Aimee Sanford	sanford.136
Food Science & Technology (FST)	Bette Hartschuh	hartschuh.6
Horticulture & Crop Sci (HCS)	Bette Hartschuh	hartschuh.6
International Programs in Agric	Jared Port	port.4
Industry Proposals	Mike Adkins/David Fuller	adkins.121, Fullmer.6
Plant Pathology	Tracy Burdett	burdett.16
School of Environment & Natural Res (SENR)	Traci Aquara	aquara.1
South Centers at Piketon	Traci Aquara	aquara.1
Ag Tech Inst (ATI)	Tom Muzyka	muzyka.2
Extension	Katie Groeniger	groeniger.10

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