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**The 2016 SEEDS Report of Progress is now available here.**

SEEDS: The OARDC Research Enhancement Competitive Grants Program, is funded by appropriations made to the Ohio Agricultural Research and Development Center (OARDC) of The Ohio State University. The goal of the SEEDS program is to foster research excellence among OARDC-supported scientists and faculty in the College of Food, Agricultural, and Environmental Sciences.

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**Researchers on The Hill**

On April 5, Chang-Won (Charles) Lee and Renularadhya Gourapura (OARDC Food Animal Health Research Program) represented CFAES at the 2017 Agricultural Research Congressional Exhibit and Reception at the U.S. Capitol Visitors Center. Drs. Lee and Gourapura presented their work on a $2.2 million project on a universal influenza vaccine funded by the USDA. Dr. Lee also introduced extension activity to control poultry respiratory diseases including influenza (which is part of a $7.2 million USDA Food Security Project).

Left: CFAES researchers discuss their project with Texas senator and House Agriculture Committee chair, Michael Conaway.

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Follow us on Facebook at www.facebook.com/cfaesgdsu to keep up to date with the latest updates and events relevant to research and grant writing!
OSP Grant Writing News
The Office of Research provides a campus-wide subscription to this excellent newsletter. The writers and editors are experts in research and proposal development and this resource should be required reading for anyone preparing a grant proposal. The recommendations are especially helpful to those who are new to grant writing or want to enhance their grantsmanship skills. Visit http://go.osu.edu/grantwritingnews to access the May 2017 issue.

Some of the topics this month include:
- What is the Future of Broader Impacts at NSF?
- Competitive Proposals in a Skinny Budget
- Finding Your Big Data Funding Home
- Funding Rates: Actual and Real

NSF Update
On April 24, 2017, the National Science Foundation (NSF) will initiate a new pilot requiring the use of a spreadsheet template for identifying Collaborators and Other Affiliations information for Principal Investigators (PIs), co-PIs, and other senior project personnel identified on proposals.

The NSF Proposal and Award Policies & Procedures Guide (PAPPG) (NSF 17-1) requires PIs, co-PIs, and other senior project personnel identified on NSF proposals to individually upload Collaborators and Other Affiliations information as a Single Copy Document (see PAPPG Chapter II.C.1.e). The template and associated instructions may also be accessed directly, here.

Upcoming Events
Navigating the PI Portal
*This is a basic/novice course, ideal for new investigators/grant awardees. This session was offered in October 2016. Two sessions will be held:
May 16, 2017: 10:00 – 11:30 am
Wooster Campus – Fisher North

**REVISED DATE**
May 24, 2017: 10:00 – 11:30 am
Columbus Campus – Ag Admin 205

Presenter: Angie LeMaster, CFAES Finance
Join us to learn tips on how to use the PI Portal system to manage financial aspects of a project, verify remaining balances, reconcile outstanding expenditures, monitoring cost share activity, and review commitments and personnel appointments. We will also review project deadlines, uploaded documents, invoices/payments, expenditure allocation, important alerts from the Office of Sponsored Programs (OSP) and how to use the Portal to close Purchase Orders.
*Registration is required (click here).

NIFA Competitive Funding Opportunity Webinar
You’re invited to attend the USDA-NIFA Competitive Funding Opportunity Webinar. The goal of this informational webinar is to enhance public relations, increase the relevance of science submitted to NIFA grant programs, and to increase the application success rate for all with a focus on tips to success for the minority serving institutions.
May 25, 2017, 11:00 AM – 2:00 PM EDT
**Funding Opportunities**

**National Science Foundation**

**Plant Biotic Interactions**
The Plant Biotic Interactions (PBI) program supports research on the processes that mediate beneficial and antagonistic interactions between plants and their viral, bacterial, oomycete, fungal, plant, and invertebrate symbionts, pathogens and pests. This joint NSF-NIFA program supports projects focused on current and emerging model and non-model systems, and agriculturally relevant plants.

**Deadline: September 1, 2017**

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**USDA NIFA**

**Special Research Grants Program Aquaculture Research**

**Deadline: May 17, 2017**

**AFRI Water for Food Production Systems Challenge Area**

**Deadline: Letter of Intent Due: May 17, 2017**

NOTE: In FY 2017, the Food Security and Water for Agriculture Challenge Areas are combined into the Water for Food Production Systems Challenge Area.

**Higher Education Challenge (HEC) Grants Program**

**Deadline: May 30, 2017**

**Food Safety Outreach Program**

**Deadline: June 6, 2017**

**Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program (WAMS)**

**Deadline: June 8, 2017**

**Resident Instruction Grants Program for Institutions of Higher Education in Insular Areas (RIIA)**

**Deadline: June 14, 2017**

**Distance Education Grants for Institutions of Higher Education in Insular Areas (DEG)**

**Deadline: June 16, 2017**

**AFRI - Food, Agriculture, Natural Resources and Human Sciences Education and Literacy Initiative**

**Deadline: June 21, 2017**

**AFRI Food Safety Challenge Area**

**Deadline: June 21, 2017**

**AFRI Childhood Obesity Prevention Challenge Area**

**Deadline: June 28, 2017**

**AFRI Sustainable Bioenergy and Bioproducts Challenge Area**

**Deadline: June 28, 2017**

**AFRI Education and Literacy Initiative**

**Deadline: June 28, 2017**

**AFRI Resilient Agroecosystems in a Changing Climate Challenge Area**

**Deadline: July 13, 2017**
The Agriculture and Food Research Initiative Foundational (AFRI) Program supports grants in six priority areas to continue building a foundation of knowledge critical for solving current and future societal challenges. The six priority areas are: Plant Health and Production and Plant Products, Animal Health and Production and Animal Products, Food Safety, Nutrition, and Health, Bioenergy, Natural Resources, and Environment; Agriculture Systems and Technology and Agriculture Economics and Rural Communities. The program supports single-function and integrated research projects as standard, conference and Food and Agricultural Science Enhancement (FASE) grants to address one of the Program Area Priorities (see [AFRI Foundational Program Request for Applications](#) for details).

<table>
<thead>
<tr>
<th>Program</th>
<th>Amount</th>
<th># of years</th>
<th>Deadline</th>
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<td>Improving Food Quality</td>
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*Table provided by Andrea Gorzitze, FABE*
Federal, State and Local Funding

Ajay Shay, Harold Keener, Scott Shearer, FABE; Teddy Ezej, Animal Sciences; $482,448, National Institute of Food & Agriculture, *Improving biofuels production: A novel whole-plant corn based feedstock supply system.*

Melvin Pascall, Food Science & Technology; Gerald Frankel, Chemistry and Biochemistry; Christopher Hadad, Material Science Engineering; $454,964, National Institute of Food & Agriculture, *Development Of BPA-free coatings for extended shelf life of canned foods.*

Brian Roe, AEDE; $499,384, National Institute of Food & Agriculture, *Evaluating behavioral nudges to reduce household food waste by developing a smartphone app*


Sadhir Sastry, FABE; $441,291, National Institute of Food & Agriculture, *Nonthermal inactivation of enzymes using oscillating electric fields*

John Fulton, FABE; Laura Lindsey, Hort. & Crop Science; $152,636, Smith Bucklin (United Soybean Council), *Digital agriculture tools to support soybean production*

SEEDS: Partnership Awards

Kichoon Lee, Animal Sciences; $16,500, *Development and validation of bio-markers for bull fertility*

Anne Dorrance, Plant Pathology; $25,000, *Evaluation of the Efficacy of an Experimental Seed Treatment*

Jay Martin, FABE; Anjelica Nelson, EEOB; $25,000, *Determining Impacts of Rain Gardens on Urban Bird Diversity*

Zhongtang Yu, Animal Sciences; $25,000, *Shaping the rumen microbiome using dietary trace minerals*

Konrad Dabrowski, SENR, $12,994, *Partial and total replacement of fish oil with fatty acid ethyl esters in the diet of rainbow trout.*

Imed Dami, Hort. & Crop Science; $6565, *Novel Vineyard Mulching for Sustainable Grape Production under Changing Climate*

GDSU proposal development services help faculty find and secure funding for their research. The staff offers guidance to researchers in planning and conceptualizing externally funded research projects, finding funding opportunities, and submitting well-crafted and competitive applications. The GDSU has been successful in obtaining more than $67 million in new extramural funding since its inception in 2010.

The GDSU is a free service provided to all CFAES faculty. We are available to assist you with proposal development and submission and/or answer grant related questions. We have offices on both the Wooster and Columbus campuses. For more information, see our webpage: [https://grants.cfaes.ohio-state.edu/](https://grants.cfaes.ohio-state.edu/)

For more funding resources, see [http://go.osu.edu/funding](http://go.osu.edu/funding).