

FAES/OARDC Research News

September 2015

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.

Updates

Headings below in **BLUE** are linked to the specific topic.

[To slow the spread of infectious diseases, NSF, NIH, USDA support new research](#)

Emerging pandemic disease outbreaks such as Ebola increasingly threaten global public health and world economies, scientists say. We can expect five such new diseases to emerge each year--and spread. The tropical disease dengue fever, for example, has made its way to Florida and Texas, seemingly to stay. Is our interaction with the environment somehow responsible for the increase in incidence of these diseases? A joint program of the National Science Foundation (NSF), National Institutes of Health (NIH) and the U.S. Department of Agriculture (USDA) is seeking answers.

NIFA has updated its Commodity Board webpage at <http://nifa.usda.gov/commodity-boards>. Updates include archives of the Aug. 6 webinars, presentation slides and expanded questions and answers. Additional information of importance to Commodity Boards and Marketing orders are forthcoming. Commodity Boards, Market Order representatives and NIFA partners/stakeholders are encouraged to visit the webpage periodically for updates. The 2014 Farm Bill allows eligible national and state commodity boards, and marketing orders to propose topics for research that they are willing to equally co-fund with NIFA. Such topics must relate to the established priority areas of the Agriculture and Food Research Initiative Competitive Grants Program (AFRI) to be considered for inclusion in future AFRI Requests for Applications (RFAs). For questions, submit those to commodityboards@nifa.usda.gov.

Twenty tips for writing a research proposal. [More...](#)

Learn more about [the NIFA Peer Review Process](#) for Competitive Grant Applications!

[The Council for Agricultural Science and Technology](#) provides a weekly summary of news and information.

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

What all faculty need to know about finding funding and writing proposals. (OSU ID required to access)

[Enhancing the Effectiveness of Team Science](#)

The past half-century has witnessed a dramatic increase in the scale and complexity of scientific research. The growing scale of science has been accompanied by a shift toward collaborative research, referred to as "team science." Scientific research is increasingly conducted by small teams and larger groups rather than individual investigators, but the challenges of collaboration can slow these teams' progress in achieving their scientific goals. How does a team-based approach work, and how can universities and research institutions support teams? *Enhancing the Effectiveness of Team Science* synthesizes and integrates the available research to provide guidance on assembling the science team; leadership, education and professional development for science teams and groups.

[The New York Academy of Sciences and the Blavatnik Family Foundation](#) will open nominations for the **[2016 Blavatnik National Awards for Young Scientists](#)** on **September 30, 2015**.

Entering its third year, the Blavatnik National Awards celebrate America's most innovative and promising faculty-rank scientists and engineers. One nominee in each category will be awarded \$250,000 and be named a 2016 Blavatnik National Laureate. The nomination period will begin on September 30, 2015 and end on November 18, 2015. Letters of support must be submitted by December 2, 2015.

GO TO the last page of this newsletter for an updated Sponsored Program Officer listing by department.

Faculty Achievements & Recent Awards

Anne Dorrance (Plant Pathology) was awarded **\$100,000** from the Ohio Soybean Council for *Characterizing resistance and identifying practices for managing soybean diseases in Ohio*.

Andy Michel (Entomology) was awarded **\$65,408** from USDA ARS to research *Integrated area-wide management of soybean aphid with biological control introductions and host plant resistance in Ohio*

Erich Grotewold (Hort & Crop Science, CAPS) was awarded **\$810,000** from the National Science Foundation to research *Modulation of plant transcription factor function by small molecules*.

Henry Zerby, Francis Fluharty and Steve Moeller (Animal Sciences) were awarded **\$75,000** from the American Lamb Board to study the *Effects of energy source, sex, and maturity on carcass and meat characteristics*.

Events and Workshops

<p><u>Research Expo</u> Ohio Union, Great Hall, Columbus September 24, 2015 9:30 a.m. – 12 noon</p>	<p><u>First Mondays (for new CFAES professors)</u> Columbus Campus- Ag Admin, 140G Wooster Campus – Research Services, 209 October 5, 2015 11:30 a.m. – 1:00 p.m. RSVP required: burant.2@osu.edu</p>
<p><u>SEEDS: The OARDC Research Enhancement Competitive Grants Program - Faculty RFP overview</u> Columbus Campus, September 14, 2015 Kottman 382, 1:00 p.m.</p>	<p><u>Completing the ePA-005 form</u> Columbus Campus - Ag. Engineering, 219 September 30, 2015 10:00 - 11 a.m.</p>
<p><u>Human Subjects Research with External Collaborators</u> 620 Prior Health Science Library 376 W. 10th Ave. , Columbus Campus September 15, 2105 8 – 12 noon</p>	<p><u>Completing the ePA-005 form</u> Wooster Campus - Research Sevices, 130 October 6, 2015 10:00 - 11:00 a.m.</p>
<p><u>State of Research Address and Innovator of the Year Awards</u> Ohio Union, Great Hall, Columbus Thursday, October 22, 2015 8:30 – 9:35 a.m.</p>	<p><u>Blogging for Academics: Research as a Conversation</u> Thompson Library, Room 150 A/B 1858 Neil Avenue Mall Columbus Campus Wednesday, October 7, 2015 4:00 – 5:00 p.m.</p>
<p><u>Discovery Themes Fall Forum: Translational Data Analytics</u> Thursday October 8, 2015 Poster Session 10:00 a.m. -12 noon Forum: 2:00 – 4:00 p.m. Pomerene Hall and Thompson Library, Columbus</p>	<p><u>IRB Issues: Compliance, Quality and Consent</u> College Commons – 260 Ramseyer Hall October 13, 2015 1:00 – 2:30 p.m. Columbus Campus (presented by EHE Office of Research)</p>

Funding Opportunities

[The 2016 North Central Region Sustainable Agriculture Research and Education Program \(NCR-SARE\) Research and Education Grant Program](#) Call for Preproposals is now available. NCR-SARE's Research and Education (R&E) program supports sustainable agriculture innovators with competitive research and education grants. Individual grants range from \$50,000 to \$200,000. NCR-SARE expects to fund about nine to ten projects in the twelve-state North Central Region. **DUE: The deadline for preproposals is October 22, 2015 at 4pm**

[Discovery Themes: Learning Analytics Seed Grant](#)

Translational Data Analytics is seeking proposals from transdisciplinary teams that wish to curate, analyze, report upon, and share novel data sets and predictive methods. The primary objective of the seed grant is to catalyze the formation of new, interdisciplinary teams that can generate preliminary technologies, data, and findings on learning analytics

DUE: October 14, 2015

[SEEDS: The OARDC Research Enhancement Competitive Grants Program](#) An invitation to submit proposals for FY 2106. SEEDS funds are to be used to explore creative ideas and to initiate novel research programs that are attractive to external sponsors and that are consistent with the mission of OARDC. **DUE: October 14, 2015**

[2016 Call for Proposals - Battelle Endowment \(BETHA\) Grants](#)

The Battelle Engineering, Technology and Human Affairs (BETHA) Endowment invites full-time assistant, associate and full professors to submit proposals for the 2016 grant competition. **DUE: November 24, 2015**

[National Science Foundation, Major Research Instrumentation Program](#)

The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, museums and science centers, and non-profit organizations. This program especially seeks to improve the quality and expand the scope of research and research training in science and engineering, by providing shared instrumentation that fosters the integration of research and education in research-intensive learning environments. **DUE: OSU Internal Intent Deadline September 21, 2015 (Limited submission opportunity)**

[USDA/NIFA, Small Business Innovation Research Program - Phase I](#)

Funds may be awarded up to \$100,000 for a Phase I project. Proposed Phase I projects should prove the scientific or technical feasibility of the approach or concept. Projects dealing with agriculturally related manufacturing and alternative and renewable energy technologies are encouraged across all SBIR topic areas.

DUE: October 8, 2015

[Advancing Informal STEM Learning \(AISL\)](#)

The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning opportunities for the public in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; and advance innovative research on and assessment of STEM learning in informal environments. The AISL program supports seven types of projects: (1) Collaborative Planning, (2) Exploratory Pathways, (3) Research in Service to Practice, (4) Innovations in Development, (5) Broad Implementation, (6) Conferences, and (7) Informal STEM Learning Resource Center (FY 2016 only). **DUE: November 4, 2015**

[NSF: Research on STEM Learning - Discovery Research PreK-12 Program Solicitation \(15-592\)](#)

The Discovery Research PreK-12 program (DRK-12) seeks to significantly enhance the learning and teaching of science, technology, engineering and mathematics (STEM) by PreK-12 students and teachers, through research and development of STEM education innovations and approaches. Projects in the DRK-12 program build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical justification for proposed projects. Projects should result in research-informed and field-tested outcomes and products that inform teaching and learning. This [CADRE toolkit](#) is a compilation of helpful resources.

DUE: December 7, 2015

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

Links:

[Grant Development Support Services](#)
[Research News Archive](#)
[Grants Toolkit](#)

Early Career Research Program Department of Energy - Office of Science

The Office of Science of the Department of Energy hereby invites grant applications for support under the Early Career Research Program in the following program areas: Advanced Scientific Computing Research (ASCR); Biological and Environmental Research (BER); Basic Energy Sciences (BES), Fusion Energy Sciences (FES); High Energy Physics (HEP), and Nuclear Physics (NP). The purpose of this program is to support the development of individual

research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the DOE Office of Science.

DUE: November 19, 2015.

Updated 9/1/2015

CFAES SPO Assignments		
Department	SPO	Org# (Columbus/OARDC)
Administration	Ginette Busque	11000/56000/56001
Ag Tech Inst (ATI)	Tom Muzyka	8890
Agric Comm, Educ, & Lead (ACEL)	Ginette Busque	11180/56180
Agric, Environmental & Dev Econ (AEDE)	Ginette Busque	11140/56140
Animal Science	Ben Leland	11320/56320
Entomology	Ben Leland	56300
Food Animal Health (FAHRP)	Jared Port	56250
Food Science & Technology (FST)	Tammy Dickey	11560/56560
Food, Agric, & Biological Engr (FABE)	Karie Kennedy	11230/56230
Horticulture & Crop Sci (HCS)	Bette Hartschuh	11270/56270
International Programs in Agric	Jared Port	11070/56006
OSU Extension	Bette Hartschuh	55000/57000
Plant Pathology	Tammy Dickey	11780/56780
School Environment & Natural Res (SENR)	Traci Aquara	11730/56730
South Centers at Piketon	Traci Aquara	56920
SPO	Phone	email
Mike Adkins	614-292-5168	614-292-5168
Traci Aquara	614-688-1765	614-688-1765
Ginette Busque	614-292-0956	614-292-0956
Tammy Dickey	614-247-8348	614-247-8348
Dave Fullmer	614-292-2187	614-292-2187
Bette Hartschuh	614-292-4327	614-292-3782
Karie Kennedy	614-292-8468	614-292-8468
Ben Leland	614-292-5741	614-292-5741
Tom Muzyka	614-292-3721	614-292-3721
Jared Port	614-688-1143	614-688-1143

If you have questions about the process or need assistance with proposal development and submission, contact the Grant Development Support Unit at gdsu@osu.edu or 330-263-3647.