CFAES

Research News

November, 2021

Funding Opportunities

As funding opportunities are announced we will compile a full list of opportunities on our website. The web page will be updated periodically as new opportunities are discovered.

NC Emerging Issues - Climate Change

To further increase national impact and stimulate a higher level of collaborative NC research across institutions, NCRA directors have agreed to support a focused, innovative, high quality, and action-oriented NC-led research project. The thematic focus for the current round of funding is on **climate change.**
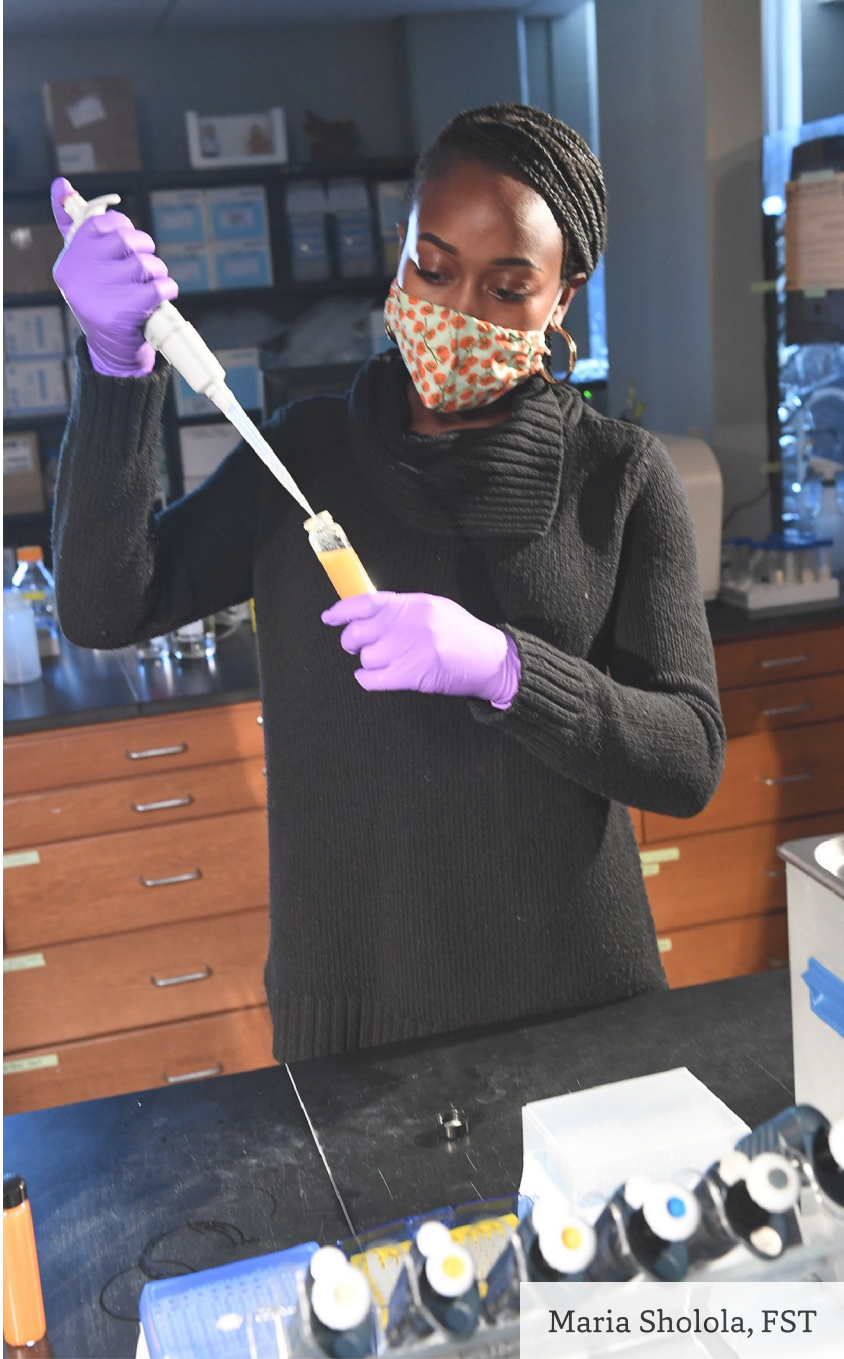
Deadline: January 14, 2021

North Central Regional Center for Rural Development

The North Central Regional Center for Rural Development (NCRCRD) at Purdue 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-states in the North Central Region of the United States.

Deadline: January 15 , 2021

View All Funding Opportunities

Office for Research & Graduate Education

Maria Sholola, FST

Inside the Issue

AI, Oh My! Artificial Intelligence and CFAES Research

The Ohio Department of Agriculture's Hemp Program application opens soon

The 2021 NSF Merit Review Survey, sponsored by the Office of Integrative Activities - coming soon!

12 Researchers will participate in the 2021-2022 Inaugural STARS program

Meet the TOP female greenskeepers who are inspiring others in the US & their home countries

AI, Oh My!
Artificial Intelligence & CFAES Research

Gary Pierzynski, Associate Dean for Research & Graduate Education

Artificial intelligence (AI) seems to have taken the world by storm lately even though it has been around for some time. In particular, numerous research funding opportunities have been and are currently available. A recent solicitation for AI institutes from NSF has a theme funded by USDA that is a perfect fit for CFAES (see theme 3), and OSU has already been awarded two NSF AI institutes, one that includes CFAES. It is interesting to explore this topic and to see that there are a variety of definitions for AI and they vary quite a bit. My working definition is that AI is a branch of computer science that, in part, couples hardware and software to create AI systems that can perform tasks that would typically require human intelligence, primarily in making decisions or identifying and utilizing useful patterns that may evolve over time.

AI systems typically require data sets or a continuous flow of new data to operate and much remains to be learned about collecting, managing, analyzing, and visualizing data. Some of the broader definitions of AI extend to include the natural resources required to run AI (energy, the mining and processing of lithium and other metals, etc.) as well as the human resources that AI requires or impacts. The broad definitions uncover even more research topics. It is clear that AI has vast applications within the food system, agriculture, natural resources, and the environment. CFAES can be at the forefront of this emerging area to the benefit of science, students, stakeholders, and society in general that depends on a sustainable food system. Current and future CFAES faculty need to be, at least, aware of the use of AI in their respective disciplines, if not actively involved in fundamental AI research or pursuing further applications. AI is just one of many issues that make our work vital to society as well as another exciting area to explore in our work.

View NSF/USDA Solicitation

Spotlight

Submit your achievements to the CFAES Awards and Recognition Website

We want to hear about your accomplishments! Submit your achievements now to the CFAES Awards and Recognition website. The college announces all awards and recognition on a monthly basis.

Submit Now

IGP Graduate & Undergraduate RFP

R&GE is pleased to announce the Internal Grants Program (IGP) for Graduate and Undergraduate students. IGP is designed to give students experience with research methods & encourage faculty/student collaboration.

View RFP

Funder Swamped with Investigations of Foreign Influence on Grantees

NSF Inspector General Allison Lerner told lawmakers "These cases [of foreign influence] now make up 63% of our caseload … we don't have the resources we need to investigate these allegations."

Read More

New & Newsworthy

Workday Office Hours

Ohio State business areas continue to host informal sessions that provide answers to commonly asked questions. Office hours are open to users of all levels and are hosted by subject matter experts.

Workday Buying Experience Office Hours
Representatives from the Grants Shared Service Center and the Procurement Shared Service Center will be available to address top questions received from Workday users.
Use this Microsoft Teams link to join a session.(link is external)

Finance Office Hours
The focus will be on Spend Categories and Retreat Updates. The Microsoft Teams link will also be emailed to the Cost Center Manager mailing list.
Use this Microsoft Teams link to join.(link is external)

Travel and PCard Office Hours
During the Office Hours sessions for Travel (Tuesdays 10-11 a.m., June 8 **through December 14**), participants will review current travel updates (industry, system, policy or supplier information), observe demos of Workday travel processes and/or how to use travel suppliers for booking, and ask questions regarding guidance for policy/system issues.
Get more details and the link to join a Teams session.

During the Office Hours sessions for PCard (Tuesdays 2-3 p.m., June 8 **through December 14**), participants will review current PCard updates (system and policy), observe demos of Workday processes, and ask questions regarding guidance for PCard policy/systems issues.
Get more details and the link to join a Teams session.

The Ohio Department of Agriculture's Hemp Program

ODA will be accepting applications for the 2022 growing season from 11/1/21-3/31/22. Prior to applying through ODA's hemp licensing portal, a letter of support will need provided by the College. Please contact Lori Kaser.37 for additional details if you are interested and require a letter. Also, check out the ODA's Hemp Program website for helpful resources.

View CFAES Resources

2021 NSF Merit Review Survey Coming Soon!

The 2021 NSF Merit Review Survey, sponsored by the Office of Integrative Activities, opened on 10/19/21. Individuals who have submitted and/or reviewed proposals between 10/1/18 and 9/30/20 will receive personalized links to the survey that will provide feedback to the ongoing improvement of the merit review process.

Learn More

Off Duty Pay Guidance

The 2021-2022 Off-Duty Pay (ODP) calendar, guidance, college request form, and calculator is ready for use. Feel free to reach out to your HR Consultant or department's Cost Center Manager (CCM) with any questions.

View Resources

PLOS unlimited publishing for Ohio State corresponding authors

Ohio State corresponding authors can now publish in PLOS journals without incurring publishing fees. Corresponding authors with articles accepted in PLOS journals between Oct. 1, 2021, and December 2024, are eligible to benefit from the new University Libraries and Health Sciences Library three-year agreement. The new agreement with PLOS provides uncapped, no-fee publishing across all PLOS journals including PLOS ONE, PLOS Computational Biology, PLOS Genetics, PLOS Neglected Tropical Diseases and PLOS Pathogens.

Read More

Authorship Guidelines

Assigning authorship on a scientific or scholarly manuscript or creative expression performs a dual role. It apportions credit for the contribution of each individual while also explicitly assigning responsibility. Designated authorship allows others to assess the relative input of each author to the impact of an intellectual endeavor, including original scientific research, words and images, and works of art, music or dance. These scientific or scholarly manuscripts or creative expressions might be intended to disseminate innovations, discoveries or novel ideas, review existing work, or solely for educational purposes. Authorship roles are used as important metrics in establishing renown, advancing academic standing, and facilitating grant funding of individuals.

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Commercialization

At the heart of innovation at Ohio State are brilliant faculty, staff and students who are the minds exploring cutting-edge discoveries and fulfilling our land grant mission to make a positive impact on society. Creating an invention is a significant accomplishment. The university's commercialization teams are here to actively engage with university inventors to help evaluate, protect and ultimately find the right market for intellectual property—through licensing or creating a startup company.

Read More

Research Development and Grant Writing News

We invite you to access the current issue of Research Development and Grant Writing News. The Office of Knowledge Enterprise | Research Development Office provides access to this subscription-based newsletter for the entire campus community.

- How to Write a Winning Proposal to the USDA/NIFA
- Funding High-Risk Research
- What Faculty Need to Know About Broad Agency Announcements (BAAs)
- New Funding Opportunities; Agency Research News, Roadmaps, Reports, and Workshops

Read Now

Recent Awards

Leah McHale – HCS (SOYGEN2), $889,723; Increasing soybean genetic gain for yield and seed composition by developing tools, know-how and community among public breeders in the north central US (2021-2022), North Central Soybean Research Program

Mary Ann Rose – Extension, $440,000; Pesticide safety education program, Ohio Dept. of Agriculture

Michelle Jones – HCS, $12,236; Use of microbial biostimulants and beneficial bacteria to improve cut flower quality and vaselife, American Floral Endowment

Kelly Royalty – Extension, $215,019; 4-H Health Rocks! Regional mentoring program, year 2, National 4-H Council

Workday for Research Task Force progress

In the time since the Workday for Research Task Force was announced in July, the team has reviewed over 400 individual pieces of feedback from across the university and continues to convert this feedback into sustainable solutions for the benefit of the research and creative expression community.

Some of the latest solutions to be implemented include:

- Permission to view award attachments has been granted to anyone with Grant Administration dashboard access.
- Updates have been made to key reports, including the Budgets vs Actuals by Object Class. This report now also includes fixed cost share F&A calculation.
- The Personnel and Non-Personnel Expenditures section in Grants Administration and Principal Investigators Summary dashboards now only includes direct costs.
- The Supplier Contract process has been reviewed for further efficiencies. Changes to simplify supplier contract questionnaire are now in process.

The Office of the CIO publishes additional details on Workday updates in its bi-weekly NewsLink.

CFAES STARS Program Inaugural Cohort

CFAES STARS Inaugural Cohort

Researchers Selected for the Inaugural CFAES STARS Program Cohort

12 Researchers will participate in the 2021-2022 STARS program

CFAES is responding to the renewed, university-wide commitment to research through the development of a college-level effort to identify and develop the next generation of research leaders among early and mid-career tenure track faculty within the college. The goal of the Strategic Alignment for Research Success (STARS) program is to propel emerging research leaders – those individuals with the interest, vision, and motivation – to take their research programs to a higher and more collaborative level. Participants selected for the 2021-2022 STARS cohort are primarily early to mid-career career faculty with at least two years in their current position from a variety of CFAES departments. Follow the link to read the full article and meet the cohort.

Meet the Cohort

Meet the TOP Female Greenskeepers Who Are Inspiring Others in the US and their Home Countries

This story could start with a heartwarming image of Andrea Chávez of Mexico seeing a bear on her bike ride to work or her experiencing falling snow for the first time during her internship at The Broadmoor, the historic resort in Colorado Springs, CO. But female greenskeepers like Chávez are almost as rare as snow in the tropics. This story is about three women who are training at golf courses in Ohio or other states, thanks to the Turfgrass Internship, one of several internship programs of The Ohio Program (TOP) that send Americans abroad and bring internationals to the US.

Read On

Events & Opportunities

November 3
10:30-12:00 PM

Broader Impacts 101 Workshop

Learn the history & importance of developing robust & thoughtful broader impacts plans

Register

November 18
10:00 - 12:00 PM

Corporate Research Engagement 101: The Basics

Explore use of existing university-industry relationships to navigate the industry-sponsored research process

Register

November 19
2:00-3:30 PM

Science Communication: Finding Common Language

Identify core messages related to their research & explore potential audiences for communication

Register

December 8
1:00-2:30 PM

Broader Impacts Partnerships

Gain insight into the process of finding the right BI partner and developing equitable partnerships

Register

December 9
11:00 AM

Reproducible Research from Noisy Data

Revisit foundational statistical concepts relevant to reproducible research in the context of ag science

Register

December 13
2:30-4:00 PM

Science Communication: Making Science Personal

Craft your personal science story through self-reflection, discussion and role-playing

Register