INFORMATION FOR NEW RESEARCHERS

Congratulations on your appointment within the College of Food, Agricultural and Environmental Sciences! CFAES is a large, diverse land-grant college comprised of two campuses (Columbus and Wooster), outlying research stations, and Ohio State University Extension.

CFAES research is often complex and interdisciplinary. Our researchers often collaborate with governmental organizations, industry partners and other colleges and universities to advance modern knowledge. We strive to develop new technologies; ensure human, animal, and environmental health; and prepare future leaders and scientists. **WE SUSTAIN LIFE.**

GETTING STARTED

- Confirm Principal Investigator (PI) status (PI Portal)
- Complete CITI Responsible Conduct of Research and additional training as needed
- Complete Conflict of Interest Disclosure (COI)
- Complete Institutional Data Policy Training (BuckeyeLearn)
- Familiarize yourself with OSU research policies at [orc.osu.edu/resources](http://orc.osu.edu/resources)
- Learn about BuckeyeBox ([box.osu.edu](http://box.osu.edu))
- Check out the current issue of Research News, the CFAES research newsletter
- Review resources and upcoming events on the [GDSU website](http://gdsu.osu.edu)
- Meet with your department Chair/Head to discuss a capacity fund project
- Consider submitting an application to the SEEDS program
- **Contact GDSU** to discuss proposal development

ONE COLLEGE

TEACHING | RESEARCH | OUTREACH

The Grant Development Support Unit (GDSU) is a free service provided to all CFAES employees. 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 $97 million in new extramural funding since its inception in 2010.

**Important Websites**

- [Buck-IRB (IRB)](http://buck-irb.osu.edu)
- [eCOI](http://ecoi.osu.edu)
- [Cayuse 424 (Grant submission)](http://cayuse24.ucr.edu/)
- [ePA-005 (pre-approval application)](http://epa-005.osu.edu)
- [E-Protocol (IACUC)](http://e-protocol.osu.edu)

**Common Acronyms**

- **ACEL**—Agricultural Communication, Education and Leadership
- **AEDE**—Agricultural, Environmental and Development Economics
- **AS**—Animal Sciences
- **ATI**—Agricultural Technical Institute
- **CFAES**—College of Food, Agricultural and Environmental Sciences
- **COI**—Conflict of Interest
- **Ent**—Entomology
- **FABE**—Food, Agricultural and Biological Engineering
- **FAHRP**—Food Animal Health Research Program
- **FST**—Food Science and Technology
- **GDSU**—Grant Development Support Unit
- **HCS**—Horticulture and Crop Science
- **OARDC**—Ohio Agricultural Research and Development Center
- **OSP**—Office of Sponsored Programs
- **OSUE**—Ohio State University Extension
- **Plant Path**—Plant Pathology
- **RCR**—Responsible Conduct of Research
- **RFP**—Request for Proposals
- **SENR**—School of Environment and Natural Resources
- **SPO**—Sponsored Program Officer

The Ohio State University

College of Food, Agricultural, and Environmental Sciences

grants.cfaes.ohio-state.edu
gdsu@osu.edu

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information, visit [cfaesdiversity.osu.edu](http://cfaesdiversity.osu.edu). For an accessible format of this publication, visit [cfaes.osu.edu/accessibility](http://cfaes.osu.edu/accessibility).
# CONTACTS, 2018-2019

<table>
<thead>
<tr>
<th>Topic</th>
<th>Department</th>
<th>Name</th>
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<th>Email</th>
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<tbody>
<tr>
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<td>Varies, depending on department</td>
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<td>Human Subjects, Exempt</td>
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<td>Technical Issues—PI Portal, eProtocol, BuckIRB</td>
<td>Office of Research</td>
<td>OR Help Desk</td>
<td>614-688-8288</td>
<td><a href="mailto:orhelpdesk@osu.edu">orhelpdesk@osu.edu</a></td>
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<tr>
<td>Technical Issues—General</td>
<td>Information Technology</td>
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<td><a href="mailto:CFAES-HelpDesk@osu.edu">CFAES-HelpDesk@osu.edu</a></td>
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RESEARCH INTEGRITY

Responsible Conduct of Research (RCR) is just one of the ways that the College of Food, Agricultural and Environmental Sciences demonstrates its commitment to excellence in research. Training in RCR promotes public trust, research integrity, and the preparation of future researchers. RCR covers a variety of topics including conflicts of interest, animal welfare, human subject protection, data acquisition & management, mentoring & collaboration, responsible authorship and publication, peer review, research misconduct and the scientist as a responsible member of society.

The Office of Research (OR) requires that all eligible personnel (faculty, staff, and students) complete the Responsible Conduct of Research (RCR) online course through the CITI website. All eligible personnel (faculty, staff, postdocs, and students) are required to complete RCR training. This requirement is in addition to any other RCR training that you may have taken to date. If you are listed on an IACUC or IRB protocol, you will be required to complete this RCR training in addition to the appropriate CITI module.

Detailed instructions on how to login to the CITI website can be found here. If you have questions, please contact the Office of Research at RCRInfo@osu.edu.

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<tr>
<th>The mission of the <strong>Office of Research Compliance</strong> (ORC) is to support and promote ethical research practices at The Ohio State University. ORC serves the OSU research community by coordinating institutionwide research compliance policy and procedure development, and by partnering with researchers, so that the University is compliant with federal, state, and local laws and regulations as well as University policies.</th>
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<tr>
<td>The <strong>Office of Responsible Research Practices</strong> assists faculty, staff and students maintain high research standards by providing education on OSU and federal research policies, assisting with research submissions and aiding OSU review boards in keeping consistent processes.</td>
</tr>
<tr>
<td><strong>Animal Care and Use</strong>—The Institutional Animal Care and Use Committee (IACUC) reviews and oversees the responsible use of animals in university research and instructional activities</td>
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<td>orrp.osu.edu/iacuc</td>
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<tr>
<td><strong>Biosafety</strong>—The Institutional Biosafety Committee (IBC) reviews and oversees research involving biohazards and recombinant or synthetic nucleic acid molecules</td>
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<tr>
<td>orrp.osu.edu/ibc</td>
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<tr>
<td><strong>Human Subjects</strong>—The Institutional Review Boards (IRB) review and oversee research involving human subjects</td>
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<tr>
<td>orrp.osu.edu/irb</td>
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CONFLICT OF INTEREST

The Ohio State University requires certain faculty, staff members, and students to complete an annual financial disclosure to comply with federal conflict of interest (COI) regulations, accreditation requirements and OSU faculty and staff COI policies.

A conflict of interest exists if financial interests or other opportunities for tangible personal benefit may exert a substantial and improper influence on an employee’s professional judgment in exercising any university duty or responsibility, including designing, conducting or reporting research. A conflict of interest is not an accusation and does not imply that an employee’s judgment has been compromised; this process encourages transparency.
RESEARCH RESOURCES

GRANT DEVELOPMENT SUPPORT UNIT
The Grant Development Support Unit (GDSU) aids CFAES employees with grant proposal development and submission. Services are free of charge and are on a first-come first-served basis. We serve as the first point of contact for research questions and also arrange the GDSU Seminar Series, a monthly series of educational sessions on research topics.
grants.cfaes.ohio-state.edu

OFFICE OF SPONSORED PROGRAMS
The Office of Sponsored Programs partners with faculty and staff to provide the highest quality research administration at all stages of sponsored projects, by promoting electronic research administration, responsible stewardship of funds, and sound management practices.
osp.osu.edu

OFFICE OF POSTDOCTORAL AFFAIRS
The Office of Postdoctoral Affairs works to implement programs and events to enrich the postdoctoral experience at the university. The office prepares postdocs for successful research careers in academia, industry, government and other employment sectors.
u.osu.edu/osupac

FACULTY DEVELOPMENT GRANTS
CFAES offers grants to aid faculty with international travel, conference support, and fees associated with being an invited faculty lecturer. Faculty Development Grants are available to full-time tenure-track faculty, research scientists and non-tenured research faculty with OARDC appointments. Faculty without OARDC appointments, visiting faculty on sabbatical, visiting faculty on one-year appointments, post-doctoral research associates, graduate students and undergraduate students are not eligible for these awards.
go.osu.edu/FacultyDevelopmentGrants

INDUSTRY LIAISON OFFICE
The vision and mission of the Industry Liaison Office (ILO) is to cultivate and foster mutually beneficial relationships with partner organizations worldwide by aligning their aspirations and needs with OSU students, research, innovations, and assets.
ilo.osu.edu

TECHNOLOGY COMMERCIALIZATION OFFICE
The Technology Commercialization Office (TCO) assists faculty, post-doctoral, and student researchers turn their ideas, inventions, and technologies into business opportunities and products that make an impact in the local and global marketplace.
tco.osu.edu

OFFICE OF ADVANCEMENT
CFAES is committed to improving our world through research and education. The Office of Advancement manages fundraising and donations to the college that make our research possible. The college also offers scholarships to help fund CFAES students.
advancement.osu.edu

RESEARCH COMMONS
If you need assistance with writing, creating data management plans, or finding funding opportunities, try the Research Commons on the Columbus campus. Their staff offer consultations, workshops, and many trainings on various research-related topics throughout the year.
library.osu.edu/ResearchCommons

DC DAYS
The CFAES Research Office and the GDSU arrange an annual trip to Washington, D.C. so that emerging CFAES researchers have the opportunity to visit federal funding agencies. This gives the opportunity to visit with federal agency program officers, determine whether the researcher’s basic concept is a good fit with the sponsors program’s goals and objectives, seek advice concerning project design and appropriate funding track, and be more competitive in the peer review process. Approximately 8-10 Assistant Professors are chosen through a competitive application process. In order to apply, you must be an active grant seeker and have an OARDC or CFAES appointment. Priority will be given to non-tenured assistant professors.
go.osu.edu/DCDays
Grand Challenges

CFAES has identified four Grand Challenges as priority areas to focus and leverage the College’s resources. By nature, these challenges are complex and interdisciplinary, requiring many minds and innovative ideas to discover solutions.

One Health

Protect and secure human, environmental and animal health

Rural—Urban Interface

Increase trust and communication between consumers and agriculture

Food Security, Production and Environmental Sustainability

Preserve the environment and water quality, and cultivate food production and security

Preparing Future Scientists and Leaders

Prepare the future workforce for critical jobs in the agricultural sector

Beneficial Reuse of Residuals and Reclaimed Water

Nick Basta, School of Environment and Natural Resources

Biosolids – organic matter recycled from waste – are commonly applied to soils as a fertilizer treatment, simultaneously improving soils and recycling waste products. However, some residual products such as arsenic and lead can be damaging to humans, plants, or animals who ingest them. Researchers explored the potential for waste by-products to be safely used in urban areas. Lead contaminated soils amended with six types of phosphate, such as bone meal, showed mixed results on their ability to reduce soil lead bioaccessibility (the proportion of a substance that can be absorbed). However, combined with an increase in soil pH, bioavailability of lead decreased by 5-26%. Developing management recommendations for contaminated urban soils is necessary to inform best practices of using urban soils for food production and recreation. In addition, the results of this research will provide information for continuing risk assessment to develop regulations at the state level for land-based recycling of residuals and reclaimed water.

Maximizing the Gains of Old and New Energy Development for America’s Rural Communities

Mark Partridge, Agricultural, Environmental and Developmental Economics

Rural communities in Ohio have been affected by shale energy development and are particularly vulnerable to long-term economic fluctuations experienced by natural resource dependent economies. CFAES researchers used survey data from over 1,500 manufacturers, in addition to other public and private data sources, to empirically examine social and economic changes due to shale energy development. Researchers worked with OSU Extension to create fact sheets, policy briefing papers, presentations, and other materials in order to educate stakeholders about the impacts of energy development in their communities. To date, over 125 folders have been distributed. As a result of this research, a technical report was published summarizing the economic impacts of the current oil and gas boom on 25 counties in eastern Ohio, which can be used to inform likely industries of future growth. Using this information and ongoing collaboration, communities can update their planning strategies, promoting long-term sustainability and economic diversity.
The GDSU has been successful in obtaining more than $97 million in new extramural funding since its inception in 2010.

The Grant Development Support Unit (GDSU) is a part of the CFAES Office for Research and Graduate Education. Our mission is to serve CFAES employees as they conceptually develop, develop, write, and submit their proposals to federal agencies and other entities seeking funding. We work across all disciplines with the goal of making the proposal development process as straightforward and streamlined as possible.

We offer an extensive array of proposal development services, which include:

- Identifying appropriate funding opportunities
- Announcing grant opportunities and coordinating internal competitions
- Managing and coordinating the preparation of the proposal
- Drafting non-technical sections of the proposal
- Providing proposal review and editorial services
- Connecting faculty to appropriate staff and other resources throughout the university
- Offering proposal development and research-related training

The GDSU is a free service provided to all CFAES employees. We are available to answer grant-related questions and assist you with proposal development and submission. We have offices on both the Wooster and Columbus campuses. Contact us today!

GDSU STAFF

**Lori Kaser** is the CFAES Grants and Contracts Administrator and a Certified Research Administrator. She received her B.A. in Organizational Management from Malone University. She has been involved in federal grants management since 1998 and has past experience writing Request for Proposals, sub-award negotiations, and pre and post award administration.

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330-263-3647

**Pam Schlegel** is a Grants Development Specialist. She received her B.S. in Agriculture from The Ohio State University. Prior to joining the GDSU, she was a Research Associate in the Food Animal Health Research Program, involved in grant preparation, laboratory assistance, and office management.

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330-263-3782

**Kayla Arnold** is the Administrative Assistant. She received her B.A. in Economics and Environmental Studies from Kenyon College. She has experience creating publications, web editing, database creation and management, research methods, and office management.

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330-263-3637

**Melissa Burant** is a Grants Development Specialist and the SEEDS Coordinator. She received her B.A. from Ohio University in English Literature and Women’s and Gender Studies. She has experience writing impact statements, preparing the NIFA Report of Accomplishments and general office management.

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614-292-5748
CFAES SPONSORED PROGRAMS

At any given time, CFAES researchers are working on a multitude of sponsored research projects. In fiscal year 2018, CFAES was awarded over $29 million in funding from sponsored programs research (right). The top provider of CFAES funding was the State of Ohio, providing over $13 million in funding, followed by the USDA at $8.4 million.

THE GRANT LIFECYCLE

The Principal Investigator (PI) is the researcher who is primarily responsible for the project.

The Grant Development Support Unit (GDSU) aids CFAES researchers with development and submission of grant proposals.

The Office of Sponsored Programs (OSP) assists PIs at each stage of a sponsored project, from identifying funding to award closeout. You can find your Sponsored Program Officer at osp.osu.edu/development/spos.
FINDING FUNDING

GRANT DEVELOPMENT SUPPORT UNIT
One of the services that the GDSU offers is assistance finding funding. If you have an idea for a project, but are unsure of a possible funding source, or if you don’t know where to start, contact us and we can assist you. There are also resources available on our website. grants.cfaes.ohio-state.edu/funding

SPIN FUNDING DATABASE
The SPIN database is available to all Ohio State faculty, staff and students. It allows you to create an account where you can save searchers for future reference. There are over 40,000 funding opportunities listed in the database and you can create customized searches and save them for later. See go.osu.edu/funding for step-by-step instructions.

INTERNAL FUNDING
There are many internal funding opportunities at Ohio State. Many of the multidisciplinary centers offer funding, such as the Center for Applied Plant Sciences (CAPS). CFAES also offers the SEEDS program, which you can read more about online at grants.cfaes.ohio-state.edu/seeds. You can find a listing of some of the centers on the Office of Research website: research.osu.edu/about/Centers-and-Institutes/

FEDERAL FUNDING
Grants.gov has educational resources and allows you to search through grants from 26 different federal agencies, such as the United States Department of Agriculture-National Institute of Food and Agriculture (USDA-NIFA), National Institutes of Health (NIH), and the National Science Foundation (NSF).

STATE OF OHIO FUNDING
The State of Ohio offers many opportunities and resources for funding. Their website lists current RFP’s administered by the Ohio Department of Education.
ohiohighered.org/grants

LIMITED SUBMISSION OPPORTUNITIES
A limited submission opportunity is one where the sponsor restricts the number of proposals that an institution can submit. The Office of Research keeps a database of Limited Submission Opportunities that and internally coordinates the application process to ensure that only the allowable number of proposals are submitted on behalf of the university.