

Funding Opportunities Weekly – January 21, 2020

FEDERAL



Organic Transitions (ORG)- The goal of this program is to support the development and implementation of research, extension and higher education programs to improve the competitiveness of organic livestock and crop producers, as well as those who are adopting organic practices.

Application Deadline: 02/27/20 [View Grant Opportunity](#) [View RFA](#)

Agriculture and Food Research Initiative (AFRI) Foundational and Applied Science - The goal of this program is to invest in agricultural production research, education, and extension projects for more sustainable, productive and economically viable plant and animal production systems. The global agricultural output needs to be expanded significantly to meet the food needs of the population expected in 2050; thus, it is imperative to develop innovative, safe and sustainable management strategies for livestock, crops, and critical underlying resources.

LOI Required: 02/19/20 [See AFRI Deadlines](#) [View Grant Opportunity](#) [View RFA](#)

Beginning Farmer and Rancher Development Program (BFRDP) - The purpose of this funding is to support the delivery of education, mentoring, and technical assistance programs to help beginning farmers and ranchers in the United States (U.S.) and its territories with entering, establishing, building and managing successful farm and ranch enterprises.

Application Deadline: 03/19/20 [View Grant Opportunity](#) [View RFA](#)

Higher Education Challenge (HEC) Grants Program- The purpose of this project is to enable colleges and universities to provide the quality of education necessary to produce baccalaureate or higher degree level graduates capable of strengthening the nation's food and agricultural scientific and professional workforce.

Application Deadline: 03/23/20 [View Grant Opportunity](#) [View RFA](#)

VIEW ADDITIONAL [NIFA FUNDING OPPORTUNITIES](#)



Water Resources Research National Competitive Grants Program- requests proposals for matching grants to support research on the topic of improving and enhancing the nations water supply including evaluation of innovative approaches to water treatment infrastructure design retrofitting maintenance management and replacement exploration and advancement of our understanding of changes in the quantity and quality of water resources in response to a changing climate population shifts and land use changes development of methods for better estimation of water supply both surface and groundwater including estimation of the physical supply and of the economic supply of water development and evaluation of processes and governance mechanisms for integrated surface ground water management and the evaluation and assessment of conservation practices.

Application Deadline: 3/19/20 [View Grant Opportunity](#) [G20AS00026](#)

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USAID Peer Program- invites scientists in developing countries, partnered with U.S. government-supported collaborators, to apply for funds to support research and capacity-building activities on topics with strong potential development impacts.

Application Deadline: 02/10/20 [View Grant Opportunity](#)



National Pork Board Professional Student Fellowship- This is an opportunity to ensure funding of professional student (MS, PhD, Veterinary-PhD) education and training in critical areas of study. This includes traditional and non-traditional disciplines that could help fill the pipeline of highly skilled employees to the pork industry. Training of professional students described in your proposal may take many forms but must go beyond what is typical of a mentor-mentee relationship between a faculty member and graduate student.

Application Deadline: 02/25/20 [View Grant Opportunity](#)



Science and Technology Studies- The Science and Technology Studies (STS) program supports research that uses historical, philosophical, and social scientific methods to investigate the intellectual, material, and social facets of the scientific, technological, engineering and mathematical (STEM) disciplines. It encompasses a broad spectrum of topics including interdisciplinary studies of ethics, equity, governance, and policy issues that are closely related to STEM disciplines.

Application Deadline: 02/23/20 [View Grant Opportunity](#) NSF 19-610

Division of Integrative Organismal Systems Core Programs- supports research aimed at understanding why organisms are structured the way they are and function as they do. Proposals should focus on organisms as a fundamental unit of biological organization.

Application Deadline: Accepted Anytime [View Grant Opportunity](#) NSF 20-536

Spectrum and Wireless Innovation Enabled by Future Technologies (SWIFT)- The goal of these research projects may be the creation of new technology or significant enhancements to existing wireless infrastructure, with an aim to benefit society by improving spectrum utilization, beyond mere spectrum efficiency. The SWIFT program seeks to fund collaborative team research that transcends the traditional boundaries of individual disciplines.

Application Deadline: 04/03/20 [View Grant Opportunity](#) NSF 20-537

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Physiologically-based pharmacokinetic/pharmacodynamic model extrapolation to human from rabbit for ophthalmic drug products

- The purpose of this funding opportunity is to support research relevant to ophthalmic drug products that will predict human ocular pharmacokinetics (PK) and pharmacodynamics (PD) through interspecies extrapolation by physiologically based modeling. Upon the successful completion of this research, we should be able to understand the current existing knowledge gaps and potential solutions for the human model extrapolation from the animal models.

Application Deadline: 02/27/20 [View Grant Opportunity](#) **RFA-FD-20-018**

Center for Collaborative Research on Complex Generics- Collaborative interactions to stimulate generic drug research engagement from the generic drug industry and accelerate progress in areas of high priority to OGD and the generic drug industry. Infrastructure to support core program for the Center. Cutting-edge scientific research in analytical methods, modeling and simulation, formulation science, clinical and pre-clinical development, and other areas pertaining to generic drug research.

Application Deadline: 04/13/20 [View Grant Opportunity](#) **RFA-FD-20-007**

NARMS Cooperative Agreement Program to Enhance and Strengthen Antibiotic Resistance Surveillance in Retail Food Specimens

- The purpose of this FOA is to protect and promote public health by enhancing, strengthening and sustaining antibiotic resistance surveillance in retail food specimens within the NARMS program. The NARMS cooperative agreements will improve the detection of antibiotic resistance among enteric bacteria in food commodities, as well as potentially develop new sites as part of the program. Measurable outcomes of the program will be in alignment with the NARMS Objectives.

Application Deadline: 05/01/20 [View Grant Opportunity](#) **PAR-16-099**

Vet-LIRN Network Capacity-Building Projects- The purpose of this Funding Opportunity Announcement is to support enhanced human and animal food safety by strengthening the capacity, collaboration, and integration of food-safety laboratories and networks, thereby facilitating an effective and coordinated response to future human and animal food safety issues. This cooperative agreement program is intended to build domestic laboratory capacity as put forth in the Food Safety Modernization Act (FSMA), by developing the Vet-LIRN laboratory Network capabilities and capacity to investigate potential animal food-borne illness outbreaks.

Application Deadline: 09/20/23 [View Grant Opportunity](#) **PAR-18-604**



Animal and Biological Material Resource Center- Of special interest are resources that emphasize use of broadly applicable, interdisciplinary validation tools to increase predictability of animal models, such as approaches to compare and determine relatedness and usefulness of a disease associated network/pathway/physiological process between an animal model and a human patient.

Application Deadline: 02/20/20 [View Grant Opportunity](#) **PAR-17-006**

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MoTrPac Phase 2 Animal Studies- The new PASS members will use MoTrPAC data to conduct detailed mechanistic studies to explore the functions, sources, and target tissues of molecules that transduce the beneficial effects of physical activity that have been identified in MoTrPAC.

Application Deadline: 3/20/20 [View Grant Opportunity](#) [RFA-RM-20-009](#)

FOUNDATIONS AND NON-PROFIT



2020 Seeding Solutions- Choose from 6 challenge areas which aim to solve large-scale agricultural problems, while understanding broad implications and impacts.

Application Deadline: 02/26/20 [View Grant Opportunity](#)

The International Consortium for Antimicrobial Stewardship in Agriculture (ICASA)- call for LOI to advance stewardship and improve health outcomes for livestock. The LOIs should describe concepts for the development, improvement and/or validation of animal-health monitoring or rapid in-field, pen-side or animal-side diagnostic tools.

Letters of Intent Deadline: 02/26/20 [View Grant Opportunity](#)

2020 New Innovator in Food and Agriculture Research Award- With this program, FFAR intends to support and promote the future generation of exceptionally talented and creative new faculty who are conducting critical and highly innovative research, and are establishing research programs that will lead to expanded availability of food and facilitate the global practice of sustainable agriculture as the world's population grows to more than 9 billion people by the year 2050.

Application Deadline: 03/04/20 [View Grant Opportunity](#)



2020 Reproductive Conditions and Disease Request for Proposals- This request for proposals (RFP) seeks research that may address but is not limited to the following topics: male and female fertility/infertility, cryptorchidism, dystocia, infectious disease including Brucellosis, pyometra, and other disorders of the male and female reproductive tract.

Application Deadline: 03/18/20 [View Grant Opportunity](#) [View RFP](#)



The SNPRC Pilot Research program 2020

Competition- This program provides opportunities and support for investigators to use SNPRC nonhuman primate resources in highly focused, short-term studies with a high likelihood of enhancing the value, utility, feasibility, and attractiveness of nonhuman primates for biomedical research. High priority will be given to studies that propose to generate preliminary data for applications to the National Institutes of Health (NIH) for support of future research projects. Those proposing to develop new nonhuman primate models of disease, or develop and/or test new research methods, instrumentation, or approaches for biomedical research using nonhuman primates, also will be considered responsive to the goals of the program. **Letter of Intent Deadline: 02/14/20** [View Grant Opportunity](#)



Morris Animal FOUNDATION

Feline and Canine proposals- Proposals on any topic that advances the health of cats and dogs will be considered. Immediate interest in proposals that address issues pertaining to feline comorbidities, feline tooth resorption, and feline cognitive dysfunction syndrome.

Application Deadline: 03/11/20 [View Grant Opportunity](#)

Investigating Novel Device to Reduce Epileptic Seizures- Researchers will evaluate a novel wearable wireless collar device to help improve treatment of canine epilepsy. The device, adapted specially for dogs from a human epilepsy therapy device, stimulates a nerve in the neck that connects the brain to the heart. The investigators will test whether the device effectively causes detectable changes in heart rate and brainwaves in dogs. Identifying noninvasive and nonpharmaceutical therapies for epileptic dogs will increase the available treatment strategies for this frustrating disease.

Application Deadline: 06/01/20 [View Grant Opportunity](#) Study ID: D20CA-840



2020 Access to Veterinary Care - Grant awards will support veterinary programs at Colleges/Schools of Veterinary Medicine that train veterinary students serving a community of need, where a lack of accessible veterinary services has been identified. The community need may be due to a variety of barriers, including but not limited to: language, culture, socioeconomic status, or access to transportation.

Application Deadline: 03/04/20 [View Grant Opportunity](#)



Addressing Evidence-based Health Benefits of Human-Animal Interaction- The purpose of this proposal is to investigate the health outcomes of pet ownership and/or animal-assisted activity or therapy, both for the people and the animals involved.

Application Deadline: 02/13/20 [View Grant Opportunity](#)

Additional Opportunities:

[Pivot Funding Opportunities](#) – Create your account

[Office of Sponsored Programs](#) – Funding Opportunities to Consider

[Higher Education Research Grant Alerts](#) – Research Funding Opportunities

INTERNAL FUNDING



One UT Collaboration and Innovation Grants- The goal of this new program is to support innovative ideas, create collaborative opportunities and advance the university in three key areas – **student success, research and outreach and engagement.**

Application Deadline: 02/03/20 [View Grant Opportunity](#)

[UT Knoxville Internal Funding Opportunities](#) - Learn More

Please send suggestions and additional funding opportunities to aggrant@utk.edu.