Funding Opportunities Weekly Digest – March 23, 2021

Check out the Office of Sponsored Programs website to view more funding opportunities to consider.

Grants Calendar: Early Career Research
As part of our efforts to monitor the funding landscape and facilitate strategic planning, Hanover produces a bimonthly grants calendar centered on certain funding interests. Today's calendar reviews upcoming grant opportunities focused on Early Career Research, covering a range of federal grantmaking agencies and private funders. Short-term targets with set deadlines are included alongside longer-term opportunities projected to occur across the next year and beyond.

Federal
Animal Wellbeing Depopulation and Euthanasia
The National Pork Board is requesting proposals addressing research areas specific to swine depopulation methods and strategies. Research in this area will benefit the industry overall with greater knowledge of how to perform euthanasia and depopulation. Depopulation and euthanasia research and communication will support the goal to build trust in the swine industry.
Application Deadline: 4/6/21 | View Opportunity

Impact of Feed Efficiency on Sustainable Pork Production
Proposals that address one or more of these key areas are highly encouraged: health by nutrition, management practices, feed form and manufacturing, modeling of feed nutrient value and utilization, and feed and feeding technologies
Application Deadline: 5/4/21 | View Opportunity

Agriculture and Food Research Initiative (AFRI) Deadlines FY 21 & FY22
View Opportunity | View RFA

Please see NIFA Upcoming RFA Calendar and email aggrant@tennessee.edu to apply.

Critical Minerals and Materials: Chemicals and Materials Sciences
Research on Rare Earth and Platinum Group Elements
The Department of Energy SC program in Basic Energy Sciences (BES) announces its interest in receiving applications from single investigators and
minerals—the natural resource for obtaining critical elements; critical elements—atomic elements that are subject to supply risks and are incorporated in critical materials; and critical materials—substances that provide essential functionality in key technologies and have no easy substitutes.

**Limited Submission Opportunity - NOI to ORE: 3/30/21**

**Limit on Number of Applications: 2 |** [DE-FOA-0002483](https://mailchi.mp/tennessee/osp-newsletter-03-23-2021?e=7613a7e97a)

Pre-Applications Due: 4/12/21 | Application Deadline: 6/9/21

---

**Data Science to Advance Chemical and Materials Sciences**

This FOA is focused on new applications that will take advantage of the rapid growth of data science, including artificial intelligence (AI) and machine learning (ML) methodologies. The FOA will support teams of investigators for synergistic computational, experimental, and theoretical research covered by the research areas in the BES divisions of Chemical Sciences, Geosciences, and Biosciences (CSGB) and Materials Sciences and Engineering (MSE). The goal of the application should be to integrate novel data science, uncertainty quantification, and other AI and ML approaches with domain sciences to uniquely advance the understanding of fundamental properties and processes relevant to chemical and materials systems, and achieve predictability of functions and behavior under dynamic conditions.

**Limited Submission Opportunity - NOI to ORE: 3/30/21**

**Limit on Number of Applications: 2 |** [View Opportunity](https://mailchi.mp/tennessee/osp-newsletter-03-23-2021?e=7613a7e97a)

Click here to submit your NOI through InfoReady

Pre-Application Due: 4/14/21 | Application Deadline: 6/1/21

---

**Seaplane Invasive Species Risk Analysis**

The US Fish and Wildlife Service, co-chair of the ANS Task Force, requests proposals to build upon previous studies and evaluate the risk of the seaplane pathway as a vector for aquatic invasive species (AIS). This risk analysis should include two components: a risk assessment and identification of risk management actions. The risk assessment is needed to identify and quantify
management actions that can be taken by seaplane operators, manufacturers, and others to reduce the spread of AIS.
Application Deadline: 6/4/21 | View Opportunity

Convergence Accelerator Phases I and II for the 2021 Cohort
The NSF Convergence Accelerator program addresses national-scale societal challenges through use-inspired convergence research. Using a convergence approach and innovation processes like human-centered design, user discovery, and team science and integration of multidisciplinary research, the Convergence Accelerator program seeks to transition basic research and discovery into practice—to solve high impact societal challenges aligned with specific research themes.
LOI Due: 5/5/21 | Application Deadline: 6/14/21 | NSF 20-565
View NSF Funding Opportunities

Development of Animal Models and Related Biological Materials for Research
This FOA encourages innovative research to develop, characterize, preserve, and improve animal models, technologies, and biological materials for the study of human health and diseases. This FOA also seeks projects aimed at improving the diagnosis and control of diseases that interfere with the use of animal models in biomedical research as a means of improving rigor and reproducibility of preclinical studies. Mammalian and non-mammalian models, cell/tissue culture systems, and integrative informatics models, such as those incorporating biological sciences and physiological data, are suitable for this FOA.
Research on Bat Immunology
The goal of this FOA is to support research to characterize cellular and molecular constituents of the bat immune system and to understand protective innate and adaptive immune mechanisms in bats.
Application Deadline: 7/15/21 | PAR-21-184

Exploratory Data Science Methods and Algorithm Development in Infectious and Immune-mediated Diseases
The purpose of this FOA is to support exploratory research focused on developing innovative methods and algorithms in biomedical computing, informatics, and data science addressing priority needs across the infectious or immune-mediated disease research continuum aligned with the research mission of NIAID. This includes infectious diseases, emerging infections, or immune-mediated diseases that include allergy, autoimmunity, or immune reactions associated with transplantation.
LOI Due: 6/2/21 | Application Deadline: 7/2/2021 | RFA-AI-21-035

Additional Opportunities:
UT Knoxville Office of Research and Engagement
COVID-19 Funding Opportunities
Pivot Funding Opportunities (Create your account)
Office of Sponsored Programs (Funding Opportunities to Consider)
Hanover Higher Education Research Grant Alerts (Funding Opportunities)
This resource center link provides weekly updates.
For COVID-19 support email (covid19-support@hanoverresearch.com).

Hanover Grants Calendar: COVID-19 Funding
open to the public to sign up. To learn more visit Hanover Research.com

We hope this calendar is a useful planning tool for your institution. Please access the document using the link below.
If you have any questions or you would like to learn more about our work with these programs, please contact senior grants advisor Clinton Doggett for a brief conversation.

For additional COVID-19 information, visit the UTIA OSP Coronavirus webpage.

Grants Calendar: Stem Research
Grants Calendar: STEM Research

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

Contact Us
UT Institute of Agriculture
Office of Sponsored Programs
aggrant@tennessee.edu
utiasponsoredprograms.tennessee.edu

Copyright © 2021 University of Tennessee, Institute of Agriculture, All rights reserved.

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list.