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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



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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](#)



United States Department of Agriculture
National Institute of Food and Agriculture

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

[View NIFA Funding Opportunities](#)

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

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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](#)

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](#)

[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

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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.

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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](#)

[View NIH Funding Opportunities](#)

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](https://hanoverresearch.com)

We hope this calendar is a useful planning tool for your institution. Please access the document using the link below.

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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
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