

UNO FOCUS:

Artificial Reef Research Assistantship Program (ARRAP)
Louisiana Department of Wildlife and Fisheries (LDWF)

The Louisiana Department of Wildlife and Fisheries (LDWF) announces its support of a graduate assistantship opportunity called the Artificial Reef Research Assistantship Program (ARRAP). This program provides graduate assistant stipends for up to three years to Master of Science/Arts students enrolled full-time at Louisiana colleges/universities and involved in research relevant to the Louisiana Artificial Reef Program. The program will expose students to LDWF activities related to the Louisiana Artificial Reef Program (LARP) and provide a potential avenue for recruitment of new LDWF personnel. Students receiving assistantships will be required to intern with the Program at least 100 hours each year with a mentor assigned by the Program. It is anticipated that one assistantship will be awarded for the fall 2022 semester, based on evaluations of applications submitted by faculty. The annual student stipend is \$25,000 for up to three years, plus associated tuition.

Applications from faculty must be submitted via LSG's online eSeaGrant system by Feb. 1, 2022; a decision on award of the assistantships will be announced by late February 2022. Funding is anticipated to be available for a project start date as early as July 1, 2022.

LINKS: LASEAGrant.org

ARTS, HUMANITIES, and INTERNATIONAL

Curbing Anti-Women Propaganda
Department of State (State)

Notice seeking proposals to empower male journalists and social media content creators to combat anti-women misinformation and online harassment campaigns by promoting pro-woman narratives. This two-year cooperative agreement will shape public opinion by increasing public awareness of the security challenges facing women and girls in Pakistan and encouraging action to counter gender-based violence and support survivors.

Applications are due March 21, 2022. Approximately \$150,000 is available.

LINKS: Grants.gov

NEA Research Grants in the Arts, FY2023
National Endowment for the Arts (NEA)

Notice seeking proposals for research studies that investigate the value and/or impact of the arts, either as individual components of the U.S. arts ecology or as they interact with each other and/or with other domains of American life.

Applications are due March 28, 2022. An estimated 10 to 20 grants with a per-award ceiling of \$100,000 are anticipated.

LINKS: Grants.gov, [Solicitation](#)

NEA Research Labs, FY 2023
National Endowment for the Arts (NEA)

Notice seeking proposals to help cultivate a series of transdisciplinary research partnerships, grounded in the social and behavioral sciences, to produce and report empirical insights about the arts for the benefit of

arts practitioners, but also for non-arts sectors such as healthcare, education, and business or management. 50% cost-sharing is required.

Applications are due March 28, 2022. Multiple awards of up to \$200,000 are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

FY 2022 Young Leaders of the Americas Initiative Fellowship Program
Department of State (State), Bureau of Educational and Cultural Affairs (ECA)

Notice seeking proposals to empower emerging entrepreneurs from the Western Hemisphere to enable the full economic potential of the region's citizens. The YLAI Fellowship Program is a two-way global exchange program designed to promote mutual understanding; empower innovative business and social entrepreneurs to contribute to social and economic development in their communities and countries; and build a lasting and sustainable network of entrepreneurs across Latin America, the Caribbean, Canada, and the United States.

Applications are due March 25, 2022. Approximately \$6.6 million is available.

LINKS: [Grants.gov](#), [Solicitation](#)

U.S. Mission to France - PAS Annual Program Statement 2021
Department of State (State)

Notice seeking proposals that strengthen bilateral ties between the United States and France and include a clear U.S. connection that will promote increased understanding of the United States among the French public.

The next due date for applications is February 20, 2022. An estimated 5 to 30 awards with a ceiling of \$25,000 are anticipated.

LINKS: [Grants.gov](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Farm Business Management and Benchmarking Competitive Grants Program
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications to improve the farm management knowledge and skills of agricultural producers by maintaining and expanding a national, publicly available farm financial management database to support improved farm management.

Applications are due April 8, 2022. Approximately \$1.936 million is available to fund four to six awards.

Limited Submission: Multiple submissions are not allowed.

LINKS: [Grants.gov](#), [Solicitation](#)

HEALTH and MENTAL HEALTH

Catalyst for Infant Health Equity
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS),
Maternal and Child Health Bureau (MCHB)

Notice seeking applications to support the implementation of existing action plans that apply data-driven policy and innovative systems strategies to reduce infant mortality (IM) disparities in a specific county/jurisdiction.

Applications are due April 19, 2022. Requested letters of intent are due February 18, 2022. Approximately \$2.5 million is available to fund five awards.

Limited Submission: Multiple applications from an organization are not allowable.

LINKS: [Grants.gov](https://www.grants.gov)

Nonhuman Primate Transplantation Tolerance Cooperative Study Group (U01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAID)

Notice seeking proposals to join a multi-center, cooperative program dedicated to developing, optimizing, and evaluating approaches to induce and maintain immune tolerance to allogeneic transplants in nonhuman primate models.

Applications are due May 13, 2022. Approximately \$7.2 million is available to fund four to six awards.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

Rural Communities Opioid Response Program – Behavioral Health Care Support
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals for improving access to and quality of substance use disorder and other behavioral health care services in rural communities by increasing access to and utilization of prevention, treatment and recovery services.

Applications are due April 19, 2022. An estimated 26 grants of up to \$500,000 per year are anticipated.

LINKS: [Grants.gov](https://www.grants.gov)

Stimulating Access to Research in Residency (StARR) (R38)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications from institutional programs that can provide outstanding mentored research opportunities for Resident-Investigators and foster their ability to transition to individual career development research awards. The program will support institutions to provide support for up to 2 years of research conducted by Resident-Investigators in structured programs for clinician-investigators with defined program milestones.

Applications are due annually on March 15. Program expires May 17, 2024.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

Meeting of the Advisory Committee on Heritable Disorders in Newborns and Children
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Advisory Committee on Heritable Disorders in Newborn and Children. The purpose of the meeting is to provide advice and recommendations to the Secretary of Health and Human Services (Secretary) on the development of newborn screening activities, technologies, policies,

guidelines, and programs for effectively reducing morbidity and mortality in newborns and children having, or at risk for, heritable disorders.

The meeting will be held Thursday, February 10, 2022, from 10:00 am-3:00 pm ET and Friday, February 11, 2022, from 10 am-2:30 pm ET. The meeting will be held via webinar. Advance registration is required at <https://www.hrsa.gov/advisory-committees/heritable-disorders/index.html>.

LINKS: [Federal Register](#)

Advancing Research on Mechanisms and Management of Pain for Diseases and Conditions within NIDDK Mission Areas (R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications will address these needs through the invitation of broad investigator-initiated research projects proposing novel basic, translational, and clinical studies and efforts to develop new approaches to assess and treat pain for disorders within the NIDDK's mission. Investigations are expected to provide important new insights into the pathophysiology and clinical features of pain and foster new and improved treatment and pain management strategies for patients.

Applications are due May 17, 2022. Optional letters of intent are due April 17, 2022. Approximately \$7 million is available to fund up to eight awards.

LINKS: [Grants.gov](#), [Solicitation](#)

ARDS, Pneumonia, and Sepsis Phenotyping Consortium Clinical Centers AND Coordinating Center (U01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Heart, Lung, and Blood Institute (NHLBI); National Institute of General Medical Sciences (NIGMS)

Notice seeking applications for Clinical Centers and Coordinating Center to form a cooperative multi-site Acute Respiratory Distress Syndrome (ARDS), Pneumonia, and Sepsis Phenotyping Consortium (APS Consortium). The APS Consortium will seek to understand the heterogeneity and underlying mechanisms of critical illness syndromes and recovery, specifically in adults with ARDS, pneumonia, and/or sepsis, as well as the relationship and biological overlap among these syndromes.

Applications are due June 17, 2022. Optional letters of intent are due May 17, 2022.

LINKS: [Grants.gov \(Clinical Centers\)](#), [Grants.gov \(Coordinating Center\)](#), [Solicitation](#)

Cancer Tissue Engineering Collaborative: Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research (R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to support the development and characterization of state-of-the-art biomimetic tissue-engineered technologies for cancer research. Collaborative, multidisciplinary projects that engage the fields of regenerative medicine, tissue engineering, biomaterials, and bioengineering with cancer biology will be essential for generating novel experimental models that mimic cancer pathophysiology in the context of a testable cancer research hypothesis.

Applications are due annually on June 5, October 5 and February 5. Program expires May 8, 2025.

LINKS: [Grants.gov](#), [Solicitation](#)

Community Engaged Research on Pregnancy Related and Associated Infections and Sepsis Morbidity and Mortality (UG3-UH3 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Child Health and Human Development (NICHD)

Notice seeking applications to support interdisciplinary community-engaged research designed to reduce or eliminate infections and sepsis as causes of pregnancy-related or associated morbidity and mortality (PRAMM) in the United States.

Applications are due April 18, 2022. Optional letters of intent are due 30 days prior to the application due date. Approximately \$2 million is available to fund up to four awards.

LINKS: [Grants.gov](#), [Solicitation](#)

Emergency Award HEAL Initiative: Developing and Optimizing Multi-Component Service Delivery Interventions for People with Opioid Use Disorder, Co-Occurring Conditions, and-or Suicide Risk (R01 Clinical Trials Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support studies that will develop and optimize multi-component service delivery interventions that are un- or under-tested. Projects will examine the relative contribution of constituent components to overall effectiveness. Should the primary hypotheses be supported, the multi-component service delivery intervention will be optimized for either a) further testing in a large effectiveness trial and/or b) implementation as part of routine care in community practice settings.

Applications are due March 18, 2022. Optional letters of intent are due February 18, 2022. Approximately \$1.5 million is available.

LINKS: [Grants.gov](#), [Solicitation](#)

Emergency Awards: HEAL Initiative: Translational Science Career Enhancement Awards for Early and Mid-career Investigators (K18 Clinical Trials Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications from early and mid-career investigators (i.e. postdoctoral fellow/associates – associate professor) who strive to expand their research trajectories through the acquisition of new knowledge and skills in the areas of therapeutic drug, biologic, or device development. The development of novel treatments for pain, addiction, and overdose is a vital component to address the ongoing opioid epidemic.

Letters of intent are due 15 days prior to the application due date. Applications are due March 15, 2022, August 1, 2022, and May 1, 2023. Five awards are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility (R01 and R21 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to promote epidemiologic research investigating novel and innovative hypotheses on emerging risk factors (biological, environmental, and social) and their interplay with established risk factors (e.g., viral hepatitis) associated with the development of liver cancer (hepatocellular carcinoma and other histological subtypes) in the United States.

R01 applications are due annually on June 5, October 5, and February 5. R21 applications are due annually on June 16, October 16, and February 16. Program expires May 8, 2025.

LINKS: [Grants.gov \(R01\)](#), [Grants.gov \(R21\)](#), [Solicitation](#)

HEAL Initiative: Secondary Analysis and Integration of Existing Data Related to Acute and Chronic Pain Development or Management in Humans (R21 Clinical Trials Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking meritorious applications that analyze existing data and resources from humans, including large, diverse national research cohorts, to answer specific questions about the development of human acute or chronic pain and its management.

Applications are due March 31, 2022. Optional letters of intent are due March 1, 2022. Approximately \$2 million is available to fund up to 10 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

Investigational New Drug (IND)-enabling and Early-Stage Development of Medications to Treat Alcohol Use disorder and Alcohol-Associated Organ Damage (UT1-UT2 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Notice seeking applications that propose the development of therapeutic agents for the treatment of alcohol use disorder (AUD) and/or alcohol associated organ damage (AAOD). As a starting point, eligible applicants must identify a therapeutic candidate with a robust body of background data in the basic science and early discovery phases to be ready for transition to the preclinical and clinical phases of development.

Applications are due March 28, 2022, December 5, 2022, March 27, 2023, December 4, 2023, March 27, 2024, and December 4, 2024. Optional letters of intent are due 30 days prior to the application due date.

LINKS: [Grants.gov](#), [Solicitation](#)

NIAID Career Transition Award (K22 Independent Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAID)

Notice seeking proposals to assist postdoctoral fellows' transition to positions of assistant professor or equivalent and initiate a successful biomedical career as an independent research scientist.

The next due date for applications is February 25, 2022. Multiple awards are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Real-Time Assessment and Augmentation of Cognitive Performance in Extreme Environments
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice seeking white papers to develop wearable systems to continuously monitor biometrics of fatigue and stress using electrophysiological (EEG/EMG/EOG) modalities and biomarkers of stress such as cortisol, DHEA-s, epinephrine, NPY, etc. in interstitial fluid (ISF). The secondary focus of this effort is to develop wearable augmentation technologies to counter fatigue and stress while considering and addressing austere environmental challenges.

Required white papers are due February 28, 2022 to rxa.afrl.submissions@us.af.mil. Approximately \$23 million is available. One to one cost sharing is required.

LINKS: [Grants.gov](https://www.grants.gov)

Revolutionizing Innovative, Visionary Environmental Health Research (RIVER) (R35 Clinical Trial Optional) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Environmental Health Sciences (NIEHS)

Notice seeking applications to provide support for outstanding investigators in the Environmental Health Sciences, giving them intellectual and administrative freedom, as well as sustained support to pursue their research in novel directions in order to achieve greater impacts.

Applications are due June 9, 2022. Optional letters of intent are due 30 days prior to the application due date. Approximately \$4 million is available to fund four to five awards.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

Board of Scientific Counselors (BOSC) Executive Committee Meeting-February 2022
Environmental Protection Agency (EPA)

Notice announcing a meeting of the EPA Office of Research and Development Board of Scientific Counselors Executive Committee to finalize the Air Climate and Energy, Sustainable and Healthy Communities, Safe and Sustainable Water Resources, and Chemical Safety for Sustainability and Health & Environmental Risk Assessment subcommittee reports.

The meetings will be held virtually on February 3 and 4, 2022 from 1:00 to 5:00 pm ET and February 18, 2022 from 11:00 am to 2:00 pm ET.

LINKS: [Federal Register](#), [Agency Site](#)

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Advancing Informal STEM Learning (AISL) Equity Resource Center
Directorate for Education & Human Resources (EHR), National Science Foundation (NSF)

Notice seeking proposals to advance equity within the informal STEM learning field through community building; supporting and extending infrastructures; technical assistance; and communications. For the purposes of this solicitation, the program does not define or bound the concept of equity.

Proposals are due May 10, 2022. Approximately \$10 million is available.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

Drivers and Environmental Impacts of Energy Transitions in Underserved Communities (Regular and Early-Career)
Environmental Protection Agency (EPA)

Notice seeking proposals for community-engaged research that will address the drivers and environmental impacts of energy transitions in underserved communities. Both regular and early-career mechanisms are available.

Applications are due April 28, 2022. Approximately \$10 million is available to fund five early-career and six regular awards.

LINKS: [Grants.gov \(Regular\)](https://www.grants.gov), [Grants.gov \(Early-Career\)](https://www.grants.gov)

Pathways into the Earth, Ocean, Polar and Atmospheric and Geospace Sciences
Directorate for Geosciences (GEO), National Science Foundation (NSF)

Notice seeking proposals that specifically address the current needs and opportunities related to education, learning, training and professional development within the geosciences community through the formation of STEM Learning Ecosystems that engage students in the study of the Earth, its oceans, polar regions and atmosphere.

Proposals are accepted anytime. Approximately \$6 million is available to fund 15 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

QUANTUM COMPUTING in the SOLID STATE with SPIN and SUPERCONDUCTING SYSTEMS (QC-S5)
Army (Army), Department of Defense (Defense)

Notice seeking proposals for research in four research topic areas in the field of gate-based Quantum Computing in the Solid State with Spin and Superconducting qubit Systems: Modular Quantum Gates; Gates on Advanced qubits with Superior Performance; Fast control and readout schemes; and Noise in solid-state spin and superconducting systems.

Required white papers are due July 15, 2022. Multiple awards are anticipated.

LINKS: [Grants.gov](#)

Strategic Chaos Engine for Planning, Tactics, Experimentation and Resiliency (SCEPTER)
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Strategic Technology Office (STO)

Notice seeking proposals to develop analytic engines that will produce machine-generated strategies, capable of competing with humans in the planning of real warfare as evaluated within trusted simulation environments. SCEPTER will discover novel and surprising courses of action (COAs) by exploring the high complexity state-action space of military engagements at machine speed.

Phase 1 proposals are due March 11, 2022. Questions are due February 14, 2022. Approximately \$39 million is available for both Phase 1 and 2. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

2022 Hypersonics Independent Research & Development (IR&D) Technology Interchange Meeting (TIM)
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice announcing a meeting of the 2022 Hypersonics Independent Research and Development (IR&D) Technology Interchange Meeting (TIM) at Wright-Patterson AFB, Ohio. This engagement is intended to foster mutual awareness, increase collaboration, and identify alignment between industry's independent research investments and Department of the Air Force (DAF) hypersonics-related science and technology needs.

The meeting will be held May 23-27, 2022 at Wright-Patterson AFB, Ohio. Abstracts are due February 18, 2022 if you are interested in participating.

LINKS: [Contract Opportunities](#)

Planetary Science Advisory Committee
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the Planetary Science Advisory Committee. The purpose is to solicit from the scientific community and other persons, scientific and technical information relevant to program planning.

The meeting will be held Tuesday, February 15, 2022, 12:00 pm to 6:00 pm, ET. his meeting will be available to the public by WebEx only. The meeting event address for attendees is:
<https://nasaevents.webex.com/nasaevents/onstage/g.php?MTID=eaf02abdfed7a5acf5468be483fd15e67>.

LINKS: [Federal Register](#)