

UNO FOCUS:

Marine Finfish Aquaculture: Juvenile Production Technologies
National Sea Grant College Program

Sea Grant anticipates approximately \$5,000,000 will be available for research projects and programs that will advance marine finfish juvenile production technologies for aquaculture. Proposals are sought that support broad, non-proprietary research to address critical gaps with respect to marine finfish juvenile production technologies; make that information available to U.S. coastal and Great Lakes aquaculture businesses; and include Sea Grant aquaculture extension personnel and also preferably industry stakeholders.

All proposals to this competition must be submitted by a Sea Grant program. Other interested entities must submit proposals in partnership with and through a relevant Sea Grant Program. Notices of intent to submit are due November 9, 2021. Full proposals are due to Louisiana Sea Grant by January 6, 2022. Full proposals are due to NOAA by January 27, 2022. Informational webinar on October 15, 2021 at 2 pm ET.

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

Early Stage Propagation Strategies for Aquaculture Species
National Sea Grant College Program

Sea Grant anticipates approximately \$4,000,000 will be available for research projects and programs that will develop and refine early stage propagation strategies for aquaculture species excluding selected marine finfish species for food. Proposals are sought that support broad, non-proprietary research to develop and refine early stage propagation strategies, such as reproduction, hatchery, and/or nursery strategies, for aquaculture species; make that information available to U.S. coastal and Great Lakes aquaculture businesses; and include Sea Grant aquaculture extension personnel and also preferably industry stakeholders.

All proposals to this competition must be submitted by a Sea Grant program. Other interested entities must submit proposals in partnership with and through a relevant Sea Grant Program. Notices of intent to submit are due November 16, 2021. Full proposals are due to Louisiana Sea Grant by January 13, 2022. Full proposals are due to NOAA February 3, 2022. Informational webinar on October 15, 2021 at 3 pm ET.

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

ARTS, HUMANITIES, and INTERNATIONAL

FY 2022 Future Leaders Exchange (FLEX) Program: Student Placement and Monitoring
Department of State (State), Bureau Of Educational and Cultural Affairs (ECA)

Notice seeking proposals promoting mutual understanding and enhancing relations between the United States and the participating European and Eurasian countries. The FLEX program provides scholarships for high school students to live with an American family in American society for an academic year and acquire leadership skills while attending a U.S. high school.

Applications are due December 6, 2021. Approximately \$31.1 million is available to support 10 to 15 awards.

Limited Submission: Only one proposal per organization

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

U.S. Embassy Public Diplomacy Grants Program

Department of State (State)

Notice seeking statement of interests that Encourage the fullest participation, especially of women and youth, in government, business and civil society; Promote bilateral cooperation in regional security; Promote empowerment of minorities by strengthening the bridge of mutual understanding and shared values between the United States and Malta, in particular diversity and the integration of refugees/migrants into Maltese society; Promote freedom of the press and strengthen the role of independent media; Enhance rule of law, and standards of good governance and ethics; and, Promote innovation in bilateral investment and commercial cooperation.

Proposals are accepted anytime until August 31, 2022. Awards may range from approximately \$500 to approximately \$10,000.

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

Notice of Board of Directors Meeting
Institute of Peace (Institute of Peace)

Notice announcing a meeting of the Board of Directors of the United States Institute of Peace with the following agenda items: Chair's Report; Vice Chair's Report; President's Report; Approval of Minutes; Meeting of the Board of Directors of the Endowment of the U.S. Institute of Peace; USIP Key Current Initiatives: Afghanistan; Countering Violent Extremism; and Youth; Reports from USIP Board Committees: Governance and Compliance; Strategy and Program; Audit and Finance; Security and Facilities; and Talent and Culture.

The meeting will be held virtually on October 15, 2021 from 10:00 AM to 12:00 p.m. ET.

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

Notice of Public Meeting of the U.S. President's Emergency Plan for AIDS Relief (PEPFAR) Scientific Advisory Board
Department of State (State)

Notice announcing a meeting of the U.S. President's Emergency Plan for AIDS Relief (PEPFAR) Scientific Advisory Board discussing: the COVID-19 pandemic and its impact on people living with or at risk of HIV infection; PEPFAR 2020 and 2021 strategies, plans, programs and performance; PEPFAR 2022 strategic updates and Minimum Program Requirements; and PEPFAR technical updates for 2022.

Meetings will be held virtually on November 2 and 3, 2021 from 10:00 a.m. to 12:00 p.m. ET.

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

FY2021 Historic Preservation Fund- Save America's Treasures Preservation and Collection Grants
Department of the Interior (Interior), National Park Service (NPS)

Notice seeking applications to provide preservation and/or conservation assistance to nationally significant historic properties and collections.

Applications are due December 14, 2021. Approximately \$25 million is available to support 55 awards. Cost sharing of 50 percent is required.

LINKS: [Grants.gov \(Preservation\)](#), [Grants.gov \(Collection\)](#), [Agency Site](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Solid Waste Management Grant Program
United States Department of Agriculture (USDA)

Notice seeking proposals to provide technical assistance or training to improve the planning and management of solid waste sites in rural areas.

Applications are due December 31, 2021. An estimated \$4 million is available to fund 40 awards.

LINKS: [Grants.gov](#), [Agency Site](#)

Technical Assistance and Training Grant Program
United States Department of Agriculture (USDA)

Notice seeking proposals to provide technical assistance and/or training to: Identify and evaluate solutions to water problems relating to source, storage, treatment, or distribution; identify and evaluate solutions to waste problems relating to collection, treatment, or disposal: assist applicants, that have filed a pre-application with RUS, in the preparation of water and/or waste loan and/or grant applications; and/or provide technical assistance and/or training to water/wastewater system personnel that will improve the management, operation and maintenance of water and waste disposal facilities.

Applications are due December 31, 2021. An estimated \$40 million is available to fund 35 awards.

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

HEALTH and MENTAL HEALTH

Neurosurgeon Research Career Development Program (NRCDP) (K12 Independent Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to continue support for the Neurosurgeon Research Career Development Program (NRCDP), a national program of mentored research career development for junior neurosurgeon faculty at institutions nationwide that support neurosurgical research. The goal of the program is to expand the cadre of neurosurgeon investigators trained to conduct high-quality, impactful research into neurological disorders, making use of their neurosurgical training.

Applications are due December 15, 2021. Approximately \$1.36 million is available.

Limited Submission: Only one application per institution

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

Research on Biopsychosocial Factors of Social Connectedness and Isolation on Health, Wellbeing, Illness, and Recovery (R01 Basic Experimental Studies with Humans Required; Clinical Trials Not Allowed; and Clinical Trial Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals that seek to explain the underlying mechanisms, processes, and trajectories of social relationships and how these factors affect outcomes in human health, illness, recovery, and overall wellbeing. Mechanisms are available for R01 Basic Experimental Studies with Humans Required; R01 Clinical Trials Not Allowed; and R01 Clinical Trial Required.

The next due date for applications is June 21, 2022. Multiple awards are anticipated.

LINKS: [Grants.gov \(R01 Basic Experimental Studies with Humans Required\)](#), [Grants.gov \(R01 Clinical Trials Not Allowed\)](#), [Grants.gov \(R01 Clinical Trial Required\)](#)

SPARC Human Open Research Neural Engineering Technologies (HORNET) Initiative (U41 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to fund Centers to create interoperable open-source modules that can be combined into custom profiles for new exploratory and clinical neuromodulation studies in the peripheral nervous system, and for potential applicability in the central nervous system. The centers will disseminate the open-source neuromodulation resources broadly.

Applications are due January 12, 2022. Optional letters of intent are due 30 days prior to the application due date. Approximately \$7.5 million per year is available to support two to five awards.

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

Virtual Consortium for Translational-Transdisciplinary Environmental Research (ViCTER) (R01 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to use the R01 mechanism to foster and promote early-stage transdisciplinary collaborations and/or translational research efforts to address fundamental research among basic (technology and mechanism oriented), clinical (patient-oriented) and population-based researchers in the environmental health field.

Applications are due annually on February 1. Program expires February 2, 2024. Optional letters of intent are 30 days prior to the application due date. Approximately \$2.75 million per year is available to support two to four awards.

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

Advisory Council on Alzheimer's Research, Care, and Services
Department of Health and Human Services (HHS)

Notice announcing a meeting of the Advisory Council on Alzheimer's Research, Care, and Services. The purpose of the meeting is to provide advice on how to prevent or reduce the burden of Alzheimer's disease and related dementias on people with the disease and their caregivers.

The meeting will be held on October 25, 2021 from 1:00 p.m. to 4:30 p.m. ET. virtual at at www.hhs.gov/live.

LINKS: [Federal Register](#)

Healthcare Infection Control Practices Advisory Committee (HICPAC)
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Healthcare Infection Control Practices Advisory Committee to discuss the following agenda: report from the Division Healthcare Quality Promotion; report from the Healthcare Personnel Guideline Workgroup; and report from the Neonatal Intensive Care Unit Workgroup.

The meeting will be held virtually on October 28, 2021 from 12:00 to 1:30 p.m. ET.

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

HEAL Initiative: Advancing Health Equity in Pain Management (R61 R33 Clinical Trial Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to accelerate development, testing and implementation of evidence-based interventions—that are culturally and linguistically appropriate for NIH-designated populations that experience health disparities (HDPs) in the United States—to mitigate disparities in provision of care and treatment decisions, reduce susceptibility to chronic pain and improve patient outcomes.

Applications are due December 9, 2021. Optional letters of intent are due 30 days prior to the application due date. Approximately \$4.5 million per year is available to support four to eight awards in FY 2022 and FY 2023.

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

IDeA Regional Entrepreneurship Development (I-RED) Program (STTR) (UT2 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of General Medical Sciences (NIGMS)

Notice seeking proposals from small business concerns together with academic partners in each of the four regions of the Institutional Development Award (IDeA)-eligible states, to apply for IDeA Regional Entrepreneurship Development program awards that support the development of educational products to promote biomedical entrepreneurship in IDeA states.

Applications are due January 5, 2022. Multiple awards of up to \$252,000 per year are anticipated.

Limited Submission: Applicants must represent one of 24 IDeA-eligible states.

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

NIDCD Clinical Research Center Grant (P50 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Deafness and Other Communication Disorders (NIDCD)

Notice seeking proposals for Clinical Research Center Grants designed to advance the diagnosis, prevention, treatment, and amelioration of human communication disorders.

The next due date for applications is February 8, 2022. Multiple awards of up to \$1.5 million are anticipated.

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

Pilot Practice-based Research for Primary Care Suicide Prevention (R34 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Mental Health (NIMH)

Notice seeking applications for primary care practice-based research focused on rigorous evaluations of factors that impact or account for the effectiveness of existing suicide prevention practices and/or pilot clinical trials aimed at optimizing and pilot testing patient-, provider-, or systems-level suicide prevention strategies.

Applications are due June 21, 2022. Optional letters of intent are due 30 days prior to the application due date. Approximately \$2 million is available to support eight awards.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Early Stage Propagation Strategies for Aquaculture Species
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals that focuses on research projects and programs that will develop and refine early stage propagation strategies (e.g. reproduction, hatchery, and/or nursery strategies) for aquaculture species excluding selected marine finfish species for food.

Required notices to submit are due November 16, 2021. Proposals are due February 3, 2022. Approximately \$4 million is available to support 5 to 16 awards. Cost share of at least 50 percent is required.

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

In Space Production Applications (InSPA)
National Aeronautics and Space Administration (NASA)

Notice seeking proposals that seek to develop and demonstrate on the International Space Station (ISS) technologies that lead to commercially viable and sustainable In Space Production Applications (InSPA) in low-Earth orbit (LEO).

White papers are due November 3, 2021. Proposals are due January 28, 2022. Colleges and universities are eligible to partner.

LINKS: [Contract Opportunities](#)

Marine Finfish Aquaculture: Juvenile Production Technologies
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to develop and refine reproduction/broodstock, hatchery, and/or nursery strategies enabling the reliable production of sufficient quantities of juvenile marine finfish to supply on-growing operations.

Required notices of submit are due November 9, 2021. Applications are due January 27, 2022. Approximately \$5 million is available to support 5 to 10 awards. Cost share of at least 50 percent is required.

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

National Oceanographic Partnership Program (NOPP) 2022 Broad Agency Announcement
Department of Defense (Defense), Office of Naval Research (ONR)

Notice seeking proposals to promote the national goals of assuring national security, advancing economic development, protecting quality of life, and strengthening science education and communication by improving knowledge of the ocean. Over twenty agencies participate in the NOPP. They are identified on the NOPP website: www.nopp.org.

Proposals will be accepted anytime until January 7, 2022. Approximately \$23 million is available to support up to nine awards over three years. Team efforts are required.

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

Stabilizing Hostilities through Arbitration and Diplomatic Engagement (SHADE)

Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals to pursue technologies that understand nuanced communications and combine this with situational understanding to inform improved strategic decision-making, collaboration, and deception. SHADE is anticipated to be a fundamental research effort. Phase 1 will focus on AI agent development and generation of an agent communication specification. Phase 2 will focus on agent refinement to play against other agent and human players in a Diplomacy tournament.

Proposals are due November 4, 2021. The total award value for the combined Phase 1 base and Phase 2 option is limited to \$1 million.

LINKS: [Contract Opportunities](#)

Advisory Committee for Education and Human Resources
National Science Foundation (NSF)

Notice announcing a meeting of the Advisory Committee for Education and Human Resources. The purpose of the meeting is to provide advice with respect to the Foundation's science, technology, engineering, and mathematics (STEM) education and human resources programming.

The meeting will be held Wednesday, November 3, 2021; 12:00 p.m.-5:00 p.m. and Thursday, November 4, 2021; 12:00 p.m.-5:00 p.m. sponsored by the National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA | Virtual. all visitors must register at least 48 hours prior to the meeting.at: https://nsf.zoomgov.com/webinar/register/WN_e5ZIM-BHS9SZIVSJAKKJ3w.

LINKS: [Federal Register](#)

Committee on Equal Opportunities in Science and Engineering
National Science Foundation (NSF)

Notice announcing a meeting of the Committee on Equal Opportunities in Science and Engineering. The purpose of the meeting is to study data, programs, policies, and other information pertinent to the National Science Foundation and to provide advice and recommendations concerning broadening participation in science and engineering.

The meeting will be held on October 28, 2021; 11:30 a.m.-5:15 p.m. at the National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA | Virtual.

LINKS: [Federal Register](#)

National Strategic Plan for Advanced Manufacturing; Request for Information
Office of Science and Technology Policy (OSTP)

Notice seeking information to improve government coordination, and on long-term guidance for Federal programs and activities in support of United States manufacturing competitiveness, including: Advanced manufacturing research and development that will create jobs, grow the economy across multiple industrial sectors, strengthen national security, enhance sustainability, contribute to climate change challenges, and improve health care.

Responses are due December 7, 2021.

LINKS: [Federal Register](#)

Solicitation for New Members: Ocean Exploration Advisory Board (OEAB)
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking applications to fill up to four membership vacancies on the Ocean Exploration Advisory Board with individuals demonstrating expertise in areas of scientific research relevant to ocean exploration including engineering, data science, deep ocean biology, geology, oceanography, marine archaeology, and ocean science education and communication.

Applications are due November 5, 2021.

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

Building Research Capacity of New Faculty in Biology
Directorate for Biological Sciences (BIO), National Science Foundation (NSF)

Notice seeking proposals from new faculty of biology at minority-serving institutions, predominantly undergraduate institutions, and other universities and colleges that are not among the nation's most research-intensive institutions to initiate and build independent research programs by enhancing their research capacity.

Applications are due January 31, 2022. An estimated 20-30 awards of up to \$500,000 are anticipated.

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

Development of Innovative Approaches to Assess the Toxicity of Chemical Mixtures
Environmental Protection Agency (EPA), Office of Research and Development (ORD)

Notice seeking applications focused on the development and evaluation of innovative methods and approaches to inform human health risk assessment of environmental chemical mixtures. Because most of the human chemical body burden involves concurrent or sequential exposures to mixtures of chemicals, methods to make better-informed, timelier evaluations of chemical mixtures of known, or partially-known, composition have long been needed.

Applications are due December 8, 2021. Approximately \$4.2 million is available to support four regular and two early career awards.

LINKS: [Grants.gov](#), [Grants.gov \(Early Career\)](#)

Launching Early-Career Academic Pathways in the Mathematical and Physical Sciences (LEAPS-MPS)
Directorate for Mathematical & Physical Sciences (MPS), National Science Foundation (NSF)

Notice seeking proposals to help launch the careers of pre-tenure faculty in Mathematical and Physical Sciences (MPS) fields at institutions that do not traditionally receive significant amounts of NSF-MPS funding, such as some minority-serving institutions (MSIs), predominantly undergraduate institutions (PUIs), and Carnegie Research 2 (R2) universities. LEAPS-MPS has the additional goal of achieving excellence through diversity and aims to broaden participation to include members from groups underrepresented in the Mathematical and Physical Sciences, including Blacks and African Americans, Hispanics, Latinos, Native Americans, Alaska Natives, Native Hawaiians, and other Native Pacific Islanders.

Proposals are due January 7, 2022. Approximately \$5 to \$10 million is available to support 40 awards.

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

Macrosystems Biology and NEON-Enabled Science
National Science Foundation (NSF)

Notice seeking proposals to support quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and changes in species distribution at regional to continental scales as well as training activities to broaden participation of researchers in Macrosystems Biology and National Ecological Observatory Network (NEON)-Enabled Science.

Proposals are due January 10, 2022, November 14, 2022, and Second Monday in November, annually thereafter. Approximately \$12 million is available to support 25 awards.

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

Mathematical and Physical Sciences Ascending Postdoctoral Research Fellowships
National Science Foundation (NSF)

Notice seeking proposals from postdoctoral fellows representing groups that are underrepresented in MPS fields in the U.S. to conduct research in environments that will have maximal impact on their future scientific development and facilitate transitions into faculty appointments in one of the following disciplines: Astronomical Sciences; Chemistry; Materials Research; Mathematical Sciences; and Physics.

Applications are due January 6, 2022. An estimated 50 awards of up to \$300,000 are anticipated.

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

National Artificial Intelligence (AI) Research Institutes
National Science Foundation (NSF)

Notice seeking proposals to build a National Artificial Intelligence Research Institute to pursue transformational advances with a principal focus in one of the following themes: Intelligent Agents for Next-Generation Cybersecurity; Neural and Cognitive Foundations of Artificial Intelligence; AI for Climate-Smart Agriculture and Forestry; AI for Decision making; Trustworthy AI; or AI-Augmented Learning to Expand Education Opportunities and Improve Outcomes.

Applications are due May 13, 2022. An estimated seven awards with an average of \$4 million per year are anticipated.

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

Principles and Practice of Scalable Systems
National Science Foundation (NSF)

Notice seeking proposals to support a community of researchers who will work symbiotically across the multiple disciplines above to perform basic research on scalability and correctness and accuracy of modern applications, systems, and toolchains built on heterogeneous architectures. The intent is that these efforts will foster the development of principles that lead to rigorous and reproducible artifacts for the design and implementation of large-scale systems and applications spanning the full hardware/software stack.

Proposals are due January 24, 2022 for LARGE grants only. Approximately \$66 million is available.

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

Research and Mentoring for Postbaccalaureates in Biological Sciences
National Science Foundation (NSF)

Notice seeking proposals to establish networks to support full-time research, mentoring, and training for

recent college graduates who have had few or no research or training opportunities during college in research fields typically supported by the Directorate of Biological Sciences (BIO).

Proposals are due January 20, 2022. Approximately \$40 million is available to support 13 to 16 awards.

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