

NATIONAL SCIENCE FOUNDATION:

The National Science Foundation has issued a revised *Proposal and Award Policies and Procedures Guide* (PAPPG) for use in 2023. The new PAPPG will be effective for **proposals submitted or due on or after January 30, 2023**.

Significant changes include:

- Revisions to incorporate Research.gov as the replacement for FastLane for proposal preparation and submission.
- Information about the use of Broad Agency Announcements (BAAs) and the BAA Management System (BAAM).
- Revisions to the certification for Responsible and Ethical Conduct of Research (RECR) for proposals submitted on or after July 31, 2023, which expands the training to faculty and other senior personnel as well as requires specific training mandated by the America COMPETES Act, as amended.
- Use of Concept Outlines as a submission type and the Program Suitability and Proposal Concept Tool (ProSPCT).
- Requirement for proposers to provide a certification regarding Safe and Inclusive Working Environments for Off-Campus and Off-Site Research.
- Revisions to the Biographical Sketch and Current and Pending Support formats to include certifications from the individual (as required by the 2021 National Defense Authorization Act, Section 223) regarding information being accurate, current, and complete.
- Requirement for NSF program officers to request updated Current and Pending Support information prior to making a funding recommendation, in accordance with the NSPM-33 Implementation Guidance.
- Requirements for use of SciENcv for the Biographical Sketch and Current and Pending Support documents.
- Implementation of Build America, Buy America statutes.
- New sections on Research Security and Scientific Integrity.

You are encouraged to review the by-chapter summary of changes provided in the Introduction section of the PAPPG.

NSF will present information about these changes at the upcoming NSF Grants Conference as part of the Proposal and Award Policy Update session on November 17. Additional information and no-cost registration are available at: <https://nspolicyoutreach.com/22-grants-conference/>.

While this version of the PAPPG becomes effective on January 30, 2023, in the interim, the guidelines contained in the current PAPPG (NSF 22-1) continue to apply.

If you have any questions regarding these changes, please contact the DIAS/Policy Office at policy@nsf.gov.

UNO FOCUS:

Research Awards Program (RAP)
LA NASA EPSCoR

The RAP sub-program is designed for those researchers who have made a NASA contact and are ready to take the next step of initiating a small project. This could involve almost any type of NASA relevant work, such as utilizing a specific NASA facility, employing NASA expertise, or building upon previous NASA work (akin to technology/knowledge transfer) or working with a NASA group on problems of common interest. In all cases, the Louisiana researcher must have the support of a NASA researcher and include a plan for developing a research partnership, and the proposal must clearly state which Mission Directorate this project aligns with. The goal here is to develop larger, longer-lasting collaborative projects that can transition to the next level.

Projects are open to any area relevant to NASA's mission. Each project proposal must include a NASA Collaboration Development Plan that describes what effort has already been, and will be, undertaken to establish a partnership with one or more NASA researchers. Notices of intent must be submitted by Friday, December 9, 2022 and proposals are due Friday, January 20, 2023.

LINKS: [NASA EPSCoR](#)

Graduate Research Scholars
Louisiana Sea Grant

Louisiana Sea Grant will continue its coastal immersion program combining community engagement and science communication. Selected students will participate in a one-week field experience highlighting the needs of coastal residents and the importance of responsive, integrated research initiatives. Scholars gain new awareness of community perspectives on coastal issues that the state faces. This experience will hopefully give students the communication tools to raise awareness and build new interdisciplinary relationships. Lodging, meals, transportation and training will be provided by Louisiana Sea Grant at no cost to the students.

To apply, complete and return the one-page application to Dani Dilullo at ddiullo@lsu.edu by November 21, 2022.

LINKS: LASEAGrant.org

Various Funding Opportunities
LA EPSCoR

- 2022-2023 LAMDA Seed Funding Track 4: STEM Outreach
- Supervised Undergraduate Research Experiences (SURE) 2022-2023
- LINKS with Industry, Research Centers, and National Labs (LINK)
- Louisiana Materials Design Alliance (LAMDA) Seed Funding Track 2: Industrial Collaboration Award-Year 3-Round 2

Details and deadlines are available on the [LA EPSCoR website](#).

LINKS: [LA EPSCoR](#)

ARTS, HUMANITIES, and INTERNATIONAL

Climate Smart Humanities Organizations
National Endowment for the Humanities (NEH)

Notice seeking proposals for comprehensive assessment and strategic planning efforts by humanities organizations to mitigate physical and operational environmental impacts and adapt to a changing climate. 1:1 matching is required.

Applications are due January 17, 2022. An estimated 25 awards with a ceiling of \$300,000 are anticipated.

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

Cultural and Community Resilience
National Endowment for the Humanities (NEH)

Notice seeking proposals for community-based efforts to mitigate climate change and COVID-19 pandemic impacts, safeguard cultural resources, and foster cultural resilience through identifying, documenting, and/or collecting cultural heritage and community experience.

Applications are due January 12, 2023. An estimated 15 awards with a ceiling of \$150,000 are anticipated.

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

U.S. Ambassadors Fund for Cultural Preservation Grants Program
Department of State (State)

Notice seeking proposals for the preservation of historic buildings, archaeological and other cultural sites, museum objects and collections, and forms of traditional expression such as indigenous languages and music in participating countries.

Deadlines vary by participating embassy. An estimated \$6 million is available to fund 30-40 awards.

LINKS: [Grants.gov](#)

U.S. Embassy Bratislava PAS Annual Program Statement
Department of State (State), U.S. Mission to Slovakia

Notice seeking applications for programs that strengthen societal and cultural ties between the U.S. and Slovakia through programming that highlights shared values and promotes bilateral cooperation.

Applications are due January 31, 2023 and June 15, 2023. The maximum award amount is \$24,999.

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

U.S. Embassy Rangoon Public Affairs Small Grants Competition
Department of State (State)

Notice seeking statements of interest (SOI) to strengthen the cultural ties between the U.S. and Myanmar through cultural programming that highlights shared values and promotes bilateral cooperation. All programs must include an American cultural element, or connection with American expert/s, organization/s, or institution/s in a specific field that will promote increased understanding of U.S. policy and perspectives.

Statements of interest are due September 15, 2023. Approximately \$270,000 is available to fund multiple awards.

LINKS: [Grants.gov](#)

U.S. Embassy Santo Domingo - PAS Annual Program Statement
Department of State (State)

Notice seeking proposals for programs that strengthen cultural, educational, professional, and scientific ties between the U.S. and Dominican Republic through cultural, professional and exchange programming that highlights shared values and promotes bilateral cooperation.

Proposals are due July 31, 2023. The maximum award amount is \$150,000.

LINKS: [Grants.gov](#)

U.S. Embassy Sofia PDS Annual Program Statement
Department of State (State)

Notice seeking proposals for programs that strengthen people-to-people ties between the United States and Bulgaria through cultural and exchange programming that highlights shared values and promotes bilateral cooperation.

Applications are due August 1, 2023. Approximately \$350,000 is available to fund up to 30 awards.

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

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Higher Education Programs (HEP) Fund for the Improvement of Postsecondary Education (FIPSE) – Digital Learning Infrastructure and IT Modernization Pilot, Assistance Listing Number 84.116L
Department of Education (Education), Office of Postsecondary Education (OPE)

Notice seeking applications to support IT modernization, and to enable them to provide support and technical assistance to expand their digital learning infrastructure.

Applications are due November 25, 2022. The maximum award amount is \$973,800. MSIs are eligible.

LINKS: [Grants.gov](#)

HEALTH and MENTAL HEALTH

Avenir Award Program for Chemistry and Pharmacology of Substance Use Disorders (DP1- Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking proposals from early-stage investigators for high impact research and who show promise of being tomorrow's leaders in the field. In recent years, there have been significant advances in methods and technologies for the identification of novel targets, mechanisms, and pathways of interest to substance use disorders and in identification of probes and optimized compounds for developing novel therapeutic agents.

Applications are due August 9, 2023. An estimated five to six awards with a ceiling of \$300,000 are anticipated.

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

Avenir Award Program for Genetics or Epigenetics of Substance Use Disorders (DP1 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking proposals from early stage investigators proposing highly innovative studies in either HIV/AIDS or the genetics/epigenetics of substance abuse.

Applications are due September 25, 2023. Multiple awards with a per-year ceiling of \$300,000 are anticipated.

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

Developmental-Behavioral Pediatrics Training Program

Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals to increase access to evaluation and services for children with a wide range of developmental and behavioral concerns, including autism.

Applications are due January 19, 2023. An estimated 15 awards with a ceiling of \$283,000 are anticipated.

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

Rural Communities Opioid Response Program – Overdose Response

Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals to address immediate needs in rural areas through improving access to, capacity for, and sustainability of prevention, treatment, and recovery services for substance use disorder.

Applications are due January 19, 2023. An estimated \$12 million is available to fund 40 awards.

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

Utilizing Telomere Status to Reveal Molecular Mechanisms Underlying Susceptibility and Resiliency in Response to Environmental Exposures (R01 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Environmental Health Sciences (NIEHS)

Notice seeking proposals that further examine and characterize molecular underpinnings surrounding telomere status and accompanying biological pathways in response to environmental insults.

Applications are due February 14, 2023. An estimated \$2 million is available to fund four to five awards.

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

Comprehensive Partnerships to Advance Cancer Health Equity (CPACHE) (U54 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications that develops and maintains comprehensive, long-term, and mutually beneficial partnerships between institutions serving underserved health disparity populations and underrepresented students (ISUPs) and NCI-designated Cancer Centers (CCs). The program aims to achieve a stronger national cancer program and address challenges in cancer and cancer disparities research, education, and outreach, as well as cancer's impact on underserved populations.

Applications are due January 6, 2023. Optional letters of intent are due 30 days prior to the application due date.

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

Feasibility Studies to Build Collaborative Partnerships in Cancer Research (P20 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications for developing collaborative partnerships between institutions serving health disparity populations and underrepresented students (ISUPSs) and NCI-designated Cancer Centers (or Cancer Centers with highly integrated cancer research programs). This FOA is designed to facilitate the planning and execution of focused collaborations in cancer-related research, research experience, and research education.

Applications are due January 6, 2023. Optional letters of intent are due 30 days prior to the application due date.

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

Nominations for Appointment to the Advisory Committee on Breast Cancer in Young Women (ACBCYW)
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking nominations for membership on the ACBCYW. The ACBCYW consists of 15 experts in fields associated with breast cancer, disease prevention, early detection, diagnosis, public health, social marketing, genetic screening and counseling, treatment, rehabilitation, palliative care, and survivorship in young women, or in related disciplines with a specific focus on young women.

Nominations must be received no later than December 29, 2022.

LINKS: [Federal Register](#)

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Cyber Agents for Security Testing and Learning Environments (CASTLE)
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Information Innovation Office (I2O)

Notice seeking proposals to develop an AI toolkit to instantiate realistic network environments and train cyber agents to enable resilient network operations against advanced persistent threats (APT). CASTLE will formulate network hardening as a reinforcement learning (RL) problem and train defensive agents in open, evolving, and adversarial environments that mimic actual networks.

Proposals are due December 22, 2022. Questions are due December 15, 2022. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

Improving Undergraduate STEM Education: Education and Human Resources
National Science Foundation (NSF)

Notice seeking proposals for novel, creative, and transformative approaches to generating and using new knowledge about STEM teaching and learning to improve STEM education for undergraduate students.

Applications are due January 18, 2022. An estimated \$61 million is available to fund 135 awards.

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

Persistent Optical Wireless Energy Relay (POWER)
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Tactical Technology Office (TTO)

Notice seeking proposals to develop and demonstrate a high-altitude optical relay. This relay will have the characteristics necessary for use in a larger, scalable wireless power beaming network.

Abstracts are due November 7, 2022. Proposals are due December 22, 2022. Up to \$33 million is available for Phase 1 awards. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

Advanced Micro Characterization of Materials (AMCOM)
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice seeking proposals to develop tools, software, digitization/automation and techniques to advance the state of the art in electron, x-ray, ion, and 15nm optical microscopy as it pertains to materials characterization and microanalysis. The contractor shall also foster research collaborations with other relevant facilities off-site for highly specialized/niche characterization areas of interest to AFRL.

Proposals are due November 29, 2022. Intent to Propose are requested and due November 11, 2022 at brad.kneisly@us.af.mil. Approximately \$4.4 million per year is available.

LINKS: [Contract Opportunities](#)

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

Notice seeking proposals answering high risk/high reward "what if?" questions and assessing the impact of further investment on problems of importance to the Department of Defense.

Proposals are due October 24, 2023. Multiple awards of up to \$300,000 are anticipated.

LINKS: [Contract Opportunities](#)

Atmospheric Chemistry
National Science Foundation (NSF)

Notice seeking proposals to support research on atmospheric gases and aerosols, including sources and sinks; transport and chemical reactions of atmospheric species; atmospheric photochemistry; heterogeneous reactions; and aqueous-phase chemistry and aerosol processes.

Proposals are accepted anytime.

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

Beyond Linear Processing (BLiP)
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals to improve radar performance through the application of signal processing techniques that go beyond current linear processing methods.

Applications are due December 21, 2022. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

FY23 Dr. Nancy Foster Scholarship Program
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to provide support for master's and doctoral degrees in oceanography, marine biology, maritime archaeology—these may include but are not limited to ocean and/or coastal: engineering, social science, marine education, marine stewardship, cultural anthropology, and resource management disciplines—and particularly encourages women and members of minority groups to apply.

Proposals are due December 22, 2022. Approximately \$500,000 is available. Two to four scholarships are awarded each year.

LINKS: [Grants.gov](#)

FY23 Propulsion and Power Technology Development Program BAA
Department of Defense (Defense), Naval Air Systems Command (NAVAIR)

Notice seeking proposals to conduct advanced research and development programs designed to meet projected propulsion and power technology needs for future Naval air vehicles.

Required white papers are due any time until September 30, 2023 to melanie.k.vella.civ@us.navy.mil.

LINKS: [Contract Opportunities](#)

Information Innovation Office (I2O) Office-wide
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals for revolutionary research ideas for topics not being addressed by ongoing I2O programs or other published solicitations. Potential proposers are highly encouraged to review the current I2O programs and solicitations to avoid proposing efforts that duplicate existing activities or that are responsive to other published I2O solicitations.

Proposals are due any time until October 27, 2023. Abstracts are encouraged and due September 22, 2023. Multiple awards are anticipated.

LINKS: [Grants.gov](#), [Contract Opportunities](#)

Speed with Innovative Flowpath Technology (SWIFT)
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice seeking proposals to develop a 1-3x size CMC inlet/isolator capable of uncooled, full-life, single cycle operation at Mach 5 or greater, using production-scalable processes with a clear path to at-rate manufacturing.

Proposals are due November 30, 2022. Approximately \$100,000 is available in FY 23.

LINKS: [Contract Opportunities](#)