Welcome!

Today’s session will begin shortly. There will be no audio sound until the session begins.
Zoom Webinar Reminders

- Zoom technical support at 1-888-799-9666, option 2
- Audio streamed through your speakers
- Submit questions at any time in the Q&A box at the bottom of your screen. We will be answering your questions at the end of the session.
- Webinar recording, slides, and session summaries posted shortly after the event at thefdp.org

*If you are a member of the press, please identify yourself and your publication in the Q&A box.
NSF Proposal & Award Policy Update

Federal Demonstration Partnership
September 12, 2022

Jean Feldman, Head Policy Office
Division of Institution & Award Support
policy@nsf.gov
Topics

• *Proposal and Award Policies and Procedures Guide (PAPPG) (NSF 23-1) — Status*
• PAPPG Proposed Revisions
• CHIPS and Science Act of 2022
• Get ready for Research.gov!
• Other NSF/FDP Sessions of Note
• Upcoming NSF Outreach Opportunities
• Resources

- Federal PRA clearance process
  - April 13, 2022 (posted in Federal Register)
  - June 13, 2022 (comments were due)
  - September 7, 2022 (with OMB for final review)

- PAPPG issued and posted on NSF website
  - October 2022

- PAPPG becomes effective
  - January 2023
PAPPG (NSF 23-1) Proposed Revisions

• Transition from FastLane to Research.gov
• Use of Broad Agency Announcements (BAAs) and the BAA Management System (BAAM)
• Use of Concept Outlines and new ProSPCT tool
PAPPG (NSF 23-1) Proposed Revisions

• Plan for Safe & Inclusive Field, Vessel and Aircraft Research PSI-FVAR or PSI
  • Fieldwork can present unique challenges such as extreme conditions, social isolation, limited communication, and can take place in locations with different social norms
  • New guidance is proposed to be added to the Special Information and Supplementary Documentation section of the PAPPG
  • Research in the field is defined as data/information/samples being collected off-campus or off-site.
  • The proposed guidance shares NSF’s expectations, as well as the content of the new supplementary document.
  • The two-page PSI-FVAR will be reviewed as an integral part of the proposal, and will be considered under intellectual merit, broader impacts, or both, as appropriate for the project being proposed.
PAPPG (NSF 23-1) Proposed Revisions

• Biographical Sketch and Current and Pending Support - SciENcv Implementation
  • Fillable formats and SciENcv will continue to be available
  • Certification language will be incorporated into both formats
  • October 2023 – submission via SciENcv becomes required
PAPPG (NSF 23-1) Proposed Revisions

- Revision of GOALI requirements
- Incorporation of new section on Scientific Integrity
- Addition of New Check Boxes for the Proposal Cover Sheet
  - Potential Life Sciences Dual Use Research of Concern
  - Plan for Safe and Inclusive Field/Vessel/Aircraft Research
CHIPS and Science Act of 2022
Highlights of NSF Provisions

• $81 billion for NSF over 5 years
• Establish an NSF Research Security and Policy Office
• Expands required RECR training
• Mandatory cost share requirement waived for Major Research Instrumentation (MRI) and Robert Noyce Scholarship programs for 5 years
• And much more…
Effective with the implementation of the PAPPG in January 2023, FastLane will be removed as a submission option from all solicitations.

NSF has gradually been removing FastLane as a submission option.

Grants.gov remains an option for most proposals.

IMPORTANT INFORMATION AND REVISION NOTE ABOUT RESEARCH.GOV PROPOSAL PREPARATION:

Innovating and migrating proposal preparation and submission capabilities from FastLane to Research.gov is part of the ongoing NSF information technology modernization efforts, as described in Important Notice No. 147. In support of these efforts, proposals submitted in response to this program solicitation must be prepared and submitted via Research.gov or via Grants.gov and may not be prepared or submitted via FastLane.
# FastLane Proposal Preparation and Submission Decommissioning Deadlines

<table>
<thead>
<tr>
<th>Action</th>
<th>Deadline</th>
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<tbody>
<tr>
<td><strong>SUBMIT NEW</strong></td>
<td></td>
</tr>
<tr>
<td>Last day to submit new proposals in FastLane</td>
<td>Friday, January 27, 2023 (5:00 PM submitter’s local time)</td>
</tr>
<tr>
<td><strong>EDIT EXISTING</strong></td>
<td></td>
</tr>
<tr>
<td>Last day to submit proposal file updates/budget revisions in FastLane</td>
<td>Friday, September 29, 2023 (5:00 PM submitter’s local time)</td>
</tr>
<tr>
<td><strong>VIEW EXISTING</strong></td>
<td></td>
</tr>
<tr>
<td>Last day to download FastLane submitted proposals and print FastLane in-progress proposal PDFs</td>
<td>Friday, September 29, 2023 (11:00 PM Eastern Time)</td>
</tr>
</tbody>
</table>
As of October 24th, Research.gov will support preparation and submission of supplemental funding requests, including Career-Life Balance requests per PAPPG Chapter II.E.8.

- Requests can be submitted in Research.gov if the award was the result of a proposal submitted in FastLane or Grants.gov
- New supplemental funding requests can be submitted in FastLane until January 27, 2023
- Research.gov Supplemental Funding Request Demo Site will also be available on October 24th
Other FDP sessions of note

• SciENcv & ORCID
  • Wednesday @ 12:30

• Science & Security
  • Wednesday @ 2:30

• NSF’s Graduate Research Fellowship Program (GRFP)
  • Thursday @ 11:00
NSF Outreach Opportunities

• Fall 2022 NSF Grants Conference – November 14-17
  • Registration opens on October 13th
  • Proposal Preparation and Merit Review
  • Award Management
  • Directorate-specific sessions

• NSF Policy Office Webinar Series
  • Topic-specific sessions
  • Next session on September 27th will cover the use of Concept Outlines
  • Registration now open

• Resource Center
  • On-demand presentations – searchable by topic and year

Visit: https://nsfpolicyoutreach.com/
Resources

• Policy Office Website
• Current PAPPG (NSF 22-1)
• For-Comment Draft PAPPG (NSF 23-1)
• NSF Pre-award and Post-award Disclosures Relating to the Biographical Sketch and Current and Pending Support
• Current and Pending Support FAQs
EPA Updates for FDP

Federal Demonstration Partnership

September 2022
Updates

- Research Funding Opportunities
- EPA Grants Webinars
- EPA Grants Listserv
- EPA Research Grants Listserv
Research Funding Opportunities
Notices of Intent – Coming Soon

• Landfill Emissions
• Developing and Demonstrating Nanosensor Technology to Detect and Monitor Pollutants
• Children's Health: Early Lifestage Vulnerabilities to Environmental Stressors
• Cumulative Impacts Assessment
• Enhanced Aquifer Recharge Performance and Potential Risk in Different Regional and Hydrogeologic Settings
Notices of Intent – Coming Soon (cont.)

• 20th Annual P3 Awards -- The program is now a single-phase competition with grant awards of $75,000 for a two-year project period.

• Research Training Program for College and University Students (Cincinnati, OH)

• Cooperative Training Partnership in Aquatic Toxicology and Ecology Research (Duluth, MN)

• Visit https://www.epa.gov/research-grants/research-funding-opportunities for updates and open opportunities.
EPA Grants Award Process Webinars
EPA Grants Webinars

• EPA's Office of Grants and Debarment periodically hosts webinars for the EPA grants community.

• If you are interested in applying for EPA grants or are currently managing an EPA grant, please consider attending one of these webinars.

• Past and upcoming webinars can be found at https://www.epa.gov/grants/epa-grants-webinars

• Subscribe to the EPA Grants Update Listserv to receive updates about these webinars. https://www.epa.gov/grants/forms/subscribe-epa-grants-update-listserv
EPA Grants Webinars

• **Competition Process**  
  September 13, 2022, 2:00 - 3:00 pm ET  
  This webinar will cover how to find and successfully apply for EPA grants.

• **Developing a Budget**  
  September 20, 2022, 2:00 - 3:00 pm ET  
  Learn how to develop budgets and budget narratives in this instructor-led version of EPA’s How to Develop a Budget online training course.

• **Complying with EPA Assistance Agreements**  
  September 22, 2022, 1:00 - 2:00 pm ET  
  Learn how to identify key policies and procedures to be a grant recipient that effectively expends and documents the use of EPA grant funds.
EPA Grants Listserv
EPA Grants Listserv

• EPA’s Office of Grants and Debarment uses this listserv to send out periodic updates about:
  • new guidance and information posted on our website
  • new trainings and webinars available to potential applicants and recipients
  • changes in grants management requirements
  • other pertinent general grants information

• Sign up at:
  https://www.epa.gov/grants/forms/subscribe-epa-grants-update-listserv
EPA Grants Listserv

Subscribe to Our Listserv

EPA’s Office of Grants and Debarment has a new listserv to send out information to grant recipients and potential applicants.

Subscribe today!

Quick Links
- Grants.gov
- System for Award Management (SAM)
- CFDA (now Assistance Listings on beta.SAM.gov)
- Beta.USASpending.gov (Current) & USASpending.gov (Legacy)
- EPA Financial Services (Receive a Payment)
- Disadvantaged Business Enterprises (DBE)
EPA Research Grants Listserv
Research Grants Listserv

• EPA’s Office of Research and development uses this listserv to send out updates about upcoming requests for applications, webinars and other resources.

• Sign up at https://www.epa.gov/research-grants/research-grants-listserv.
Contact Information

Jennifer Robbins
Extramural Management Specialist
Office of Research and Development
(202) 564-6471
robbins.jennifer@epa.gov
Department of Homeland Security

Division of Financial Assistance Policy & Oversight (FAPO)

September 12, 2022
Financial Assistance Policy and Oversight

• FAPO Mission
  – To ensure financial assistance integrity, accountability, and controls in the award and administration processes, and quality and timeliness of related data to ensure integrity in the stewardship of federal funds.

• FAPO Goals
  – Educate the DHS financial assistance workforce (People).
  – Streamline DHS-wide financial assistance business models to support OCFO decisions (Decision Support).
  – Provide policy guidance, oversight, and technical assistance to DHS Components (Stewardship/Deliberate Resourcing).
### DHS Grant Making Components

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUNTERING WEAPONS OF MASS DESTRUCTION (CWMD)</td>
<td>$66,802,721</td>
</tr>
<tr>
<td>CYBERSECURITY AND INFRASTRUCTURE SECURITY AGENCY (CISA)</td>
<td>$34,877,338</td>
</tr>
<tr>
<td>Federal Emergency Management Agency (FEMA)</td>
<td>$42,349,572,471</td>
</tr>
<tr>
<td>Immigration and Customs Enforcement (ICE)</td>
<td>$305,000</td>
</tr>
<tr>
<td>Science and Technology (S&amp;T)</td>
<td>$31,798,734</td>
</tr>
<tr>
<td>United States Coast Guard (USCG)</td>
<td>$124,592,556</td>
</tr>
<tr>
<td>US CITIZENSHIP IMMIGRATION SVCS (USCIS)</td>
<td>$9,825,134</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$42,617,773,953</strong></td>
</tr>
</tbody>
</table>
FAPO’s major initiatives include:
• Managing DATA Act Reporting
• Implementing DHS Grant Measures
• Reviewing DHS Notices of Funding Opportunity
• Performing oversight reviews of DHS financial assistance programs.
• Representing DHS on the following government-wide initiatives:
  – Presidential Management Agenda (PMA) Area 3 Strategy 2.
  – National Security Presidential Memorandum (NSPM) -33
The Made in America Office continues to focus on implementing the Build America, Buy America Act (BABAA) provisions in the Infrastructure Investment and Jobs Act.

The Made in America Office has posted detailed FAQs and BABAA guidance on their OMB Max page. (OMB MAX account required)

FAQs and guidance address issues relating to BABAA requirements, which awards are covered, waivers, and types of infrastructure covered. (The FAQs will be attached to the presentation for those who do not have access to MAX.)

FEMA has received a waiver for its programs effective through January 1, 2023.
Strategy 2

• Build capacity in Federal financial management, including through Federal financial assistance, to catalyze American industrial strategy, address climate-related risks, and deliver equitable results.

• These are the 2 specifics goals established which workgroup is currently working to implement and this at an initial phase:

Goal Statement 1

• Formalize the financial assistance community's governance to Strengthen the Federal Government's ability and capacity to efficiently implement the President's vision in tangible ways.

Goal Statement 2

• Build a robust financial assistance community that identifies and strengthens the core competencies of grants managers.

• The agencies represented are DHS, HHS, Commerce and NSF.
• National Security Presidential Memorandum (NSPM) - 33 on National Security Strategy for United States Government-Supported Research and Development.
  - DHS is a member of the overall government-wide workgroup that is working on implementing this guidance

• The purpose of NSPM-33 is to strengthen protections of U.S. Government-supported R&D against foreign government interference and misappropriation, while maintaining an open environment to foster research discoveries and innovation that benefit the United States and the world.

• The notice of implementation was posted in the Federal Register on August 31, 2022. (Notice will be attached to the presentation.)
Grants.gov Cloud Migration

• Grants.gov is being migrated to the cloud. An extended period of downtime has been scheduled for Grants.gov to make sure a smooth and successful transition.
  o Grants.gov will go Offline Friday, September 23, 2022, at 12:01 AM ET.
  o Grants.gov will come back Online Thursday, September 29, 2022, at 11:59 PM ET.

• Why is Grants.gov being migrated to the cloud?

  Migrating Grants.gov to the cloud will provide many benefits, including:
  o Fewer maintenance outages,
  o Better availability and performance,
  o Increased scalability, agility, and flexibility,
  o Improved security,
  o Providing a modern infrastructure better able to support future system enhancements, and
  o Providing an overall improved user experience.
How is Grants.gov preparing for the Cloud Migration?

• Grants.gov began the cloud migration process at the end of 2021 with extensive resources dedicated to data-migration planning, testing of functionalities, and verification of data so users can continue their grant applications after the migration is complete without losing data. Additionally, they have prepared communications and contingency plans. The help desk team is also available to address inquiries regarding the migration and downtime.

Will applications that were started before the downtime be available when Grants.gov comes back online?

• Yes, all applications that were started before the migration will be available once Grants.gov comes back online after the migration is complete.

Will applications that were started before the downtime lose their progress during the migration?

• No, all progress made on applications started before the migration will be saved.
What happens to applications that were in process before the migration, but had not yet been submitted?

• The progress of all unsubmitted applications that are in process at the start of the migration will be saved. Once Grants.gov comes back online, all applications and their progress will be exactly as they were before the migration started.

Will the URL to access Grants.gov change?

• The Grants.gov URL (www.Grants.gov) will remain the same after the migration. However, the IP addresses are changing. All registered System-to-System (S2S) users have been notified of the technical updates that may be required to maintain S2S connectivity with Grants.gov.
• If you are an S2S user and need technical support, you may contact the help desk at support@Grants.gov.

Will the email address that Grants.gov uses to send notification emails change?

• Yes. After the cloud migration is complete, notification emails will come from: do_not_reply@grants.gov.
• Make sure to update any email rules you have previously created and to check the spam folder if you don’t receive any Grants.gov notifications.
• Vince Sprouls, Director
  202-447-5075
  Vincent.Sprouls@hq.dhs.gov

• Heidi Custer, Senior Policy Analyst
  202-263-9966
  Heidi.Custer@hq.dhs.gov
Primary Policy & Program Contacts

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Christiane Diallo, Sr. Program Analyst, Grants Policy & Compliance
christiane.diallo@nasa.gov
202-358-5179

Mary F. Sladek, Research Program Manager, Science Mission Directorate
mary.f.sladek@nasa.gov
202-358-0861
The corner stone of NASA’s current and future missions

NASA Equity Stakeholder Town Hall

Date: Wednesday, September 28, 2022
Time: 3:00 PM – 5:00 PM EDT

Register: https://www.eventbrite.com/e/nasa-equity-stakeholder-town-hall-tickets-414851551157
Effective July 31, 2022, the Grants Policy & Compliance function transitioned from the Office of the Chief Financial Officer (OCFO) to the Office of Procurement, Procurement Management & Policy Division.

Transition does not impact the structure of GPC as GPC will continue to oversee NASA grants & cooperative agreements policies and regulations.

GPC’s website is accessible at Grants Policy and Compliance | NASA

NASA Shared Services Center (NSSC) will continue issuing and administering NASA grant and cooperative agreement awards.

NSSC’s website is accessible at Grants | NASA
Grants Policy and Compliance Updates
NASA will implement a new term and condition in support of Executive Order –13985 "Advancing Racial Equity and Support for Underserved Communities Through the Federal Government". The Term and condition will be included in the NASA Grant & Cooperative Agreement Manual set to release in October 2022.

“Pursuant to the requirements in 2 CFR § 200.321, Contracting with small and minority businesses, women’s business enterprises, and labor surplus area firms, grant and cooperative agreement recipients shall, to the extent practicable, obtain at least one quotation in response to a recipient-issued Request for Quotation (RFQ) from a small and/or minority business, women’s business enterprise or labor surplus area firms when the acquisition of goods or services exceeds the simplified acquisition threshold (SAT) as defined in the Federal Acquisition Regulation (FAR) part 2.101, Definitions (currently the SAT is $250,000). In the event that recipients are unable to obtain at least one quote from a small and/or minority business, women’s business enterprise or labor surplus area firm, a written justification indicating why this was not possible must be maintained in the recipient’s records.”

Term and condition was published in the Federal Register on February 25, 2022, with comments period closing on April 24, 2022.

NASA’s response to the public’s comments will be published in the Federal Register; following implementation of the Term & Condition.
NASA will release its FY 2023 edition of the GCAM on or around October 1, 2022.

Key Updates include:

- **Inclusion of a new term & condition to comply with the Infrastructure Investments and Jobs Act (IIJA)** – NASA awards that include activities per the definition of infrastructure as outlined in OMB Memorandum M-22-11 will be subject to this new requirement, which prohibits award recipients from using NASA funds for infrastructure projects, unless the products and construction materials are manufactured in the United States.

- **New language related to specific conditions** - Specific terms and conditions will be included for applicants with an elevated risk profile based on NASA’s pre-award risk assessment process.

- **Revision to Mishap Reporting Term & Condition** – Description of what actions recipients must take when it comes to reporting injuries and/or damages to NASA property.
Science Mission Directorate (SMD)
What’s New? NASA’s Strategic Plan & SMD’s Newest Decadals

- NASA 2022 Strategic Plan released March 28, 2022 --NASA produces a strategic plan every four years — in accordance with the Government Performance and Results Act Modernization Act of 2010 (GPRAMA) — to outline our vision for the future and to provide a clear, unified, and long-term direction for NASA’s activities. [https://www.nasa.gov/sites/default/files/atoms/files/fy_22_strategic_plan.pdf](https://www.nasa.gov/sites/default/files/atoms/files/fy_22_strategic_plan.pdf)

- SMD’s Decadal Surveys (Studies) are done by National Academies of Sciences, Engineering, and Medicine (NASEM) to formulate a community consensus about the most compelling science questions for the decade ahead in each of the SMD disciplines (divisions). This process provides a rare opportunity for scientists and engineers to share their insights and help shape the NASA Science of the next decade. Most recent are Astrophysics and Planetary Science. [https://science.nasa.gov/about-us/science-strategy/decadal-surveys](https://science.nasa.gov/about-us/science-strategy/decadal-surveys)

- Underway/Concluding Soon: Decadal for Biological and Physical Sciences [https://science.nasa.gov/biological-physical/decadal-survey](https://science.nasa.gov/biological-physical/decadal-survey)

- Just started! Heliophysics 2024 Decadal Survey [https://science.nasa.gov/heliophysics/2024_decadal_survey](https://science.nasa.gov/heliophysics/2024_decadal_survey)
The cornerstone of NASA’s current and future missions
SMD’s IDEA Strategy

❑ SMD developed and launched our IDEA-focused strategy prior to the agency’s Diversity, Equity, Inclusion & Accessibility (DEIA) plan. SMD’s IDEA, however, is congruent with the Agency’s Equity Plan’s goals and NASA’s Core Values as described in the 2022 Strategic Plan. IDEA has both inward-facing and outward-facing activities.

❑ The SMD Bridge Program is one outward-facing initiative that aims to increase engagement among SMD Headquarters, NASA centers and Minority-Serving Institutions (MSIs), such as Historically Black Colleges and Universities (HBCUs), Tribal Colleges and Universities (TCUs), Primarily Undergraduate Institutions (PUIs), and PhD-granting Universities. [https://science.nasa.gov/smd-bridge-program](https://science.nasa.gov/smd-bridge-program)

❑ A virtual SMD Bridge Program Workshop is scheduled for October 17–21, 2022. Registration fees are not being collected for this virtual workshop, but registration is required for communication purposes, including virtual access information. Registration is available on-line through October 21, 2022 at: [https://www.hou.usra.edu/meeting_portal/registration/?mtg=smdfall2022](https://www.hou.usra.edu/meeting_portal/registration/?mtg=smdfall2022)

SMD Bridge Program Director, Dr. Padi Boyd E-mail: patricia.t.boyd@nasa.gov

- a) None of the funds made available by this Act may be used for the National Aeronautics and Space Administration (NASA), the Office of Science and Technology Policy (OSTP), or the National Space Council (NSC) to develop, design, plan, promulgate, implement, or execute a bilateral policy, program, order, or contract of any kind to participate, collaborate, or coordinate bilaterally in any way with China or any Chinese-owned company unless such activities are specifically authorized by a law enacted after the date of enactment of this Act.

- (b) None of the funds made available by this Act may be used to effectuate the hosting of official Chinese visitors at facilities belonging to or utilized by NASA.

- SMD’s Call for COVID Augmentations and Funded Extensions that closed March 5, 2021.

  - What was it? Existing awardees submitted proposals for Post-COVID 19 “Recovery”. “Is there a need for another round?” In the absence of any calls from the community, it will be hard to convince the Divisions to put up more money.

- How to become a SMD proposal reviewer?
  - Sign up at [https://science.nasa.gov/researchers/volunteer-review-panels]
SMD’s Most Recent Efforts/Plans to Reduce Administrative Burden

- Mostly in the Planetary Science Division, Research Programs with **No** (Fixed) **Due Date** (NoDD) or Rolling Submissions. The Heliophysics Division NoDD experiments review proposals every three months. [https://science.nasa.gov/researchers/NoDD](https://science.nasa.gov/researchers/NoDD)

- Topical Workshops, Symposia, and Conferences -- **TWSC** is a NoDD serving multiple SMD divisions and funding programs. Proposals may be submitted at any time until May 12, 2023. Notices of intent (NOI) may NOT be submitted, BUT a potential proposer first MUST contact a SMD program officer (PO). Do not prepare or submit a proposal until at least one SMD PO confirms relevancy and/or availability of funds. Email addresses for most SMD POs at [https://science.nasa.gov/researchers/sara/program-officers-list](https://science.nasa.gov/researchers/sara/program-officers-list), F.2 Topical Workshops, Symposia, and Conferences final text released May 11, 2022 (.PDF)

- Experiments with soliciting proposals without a budget and fixed budgets. Not yet able to offer true Fixed Amount Awards per 2CFR200.1. "Fixed amount awards means a type of grant or cooperative agreement under which the Federal awarding agency or pass-through entity provides a specific level of support without regard to actual costs incurred under the Federal award. This type of Federal award reduces some of the administrative burden and record-keeping requirements for both the non-Federal entity and Federal awarding agency or pass-through entity. Accountability is based primarily on performance and results."

- Got Ideas/Comments/Questions? Email HQ-Senior-Advisor-for-Research-and-Analysis [HQ-SARA@nasa.gov](mailto:HQ-SARA@nasa.gov)
A Selection of Open & Upcoming Funding Opportunities

Available from NASA Solicitation and Proposal
Integrated Review and Evaluation System (NSPIRES)

https://nspires.nasaprs.com

https://nspires.nasaprs.com
MUREP PBI/HBCU Data Science Equity, Access and Priority for Research and Education (DEAP) – Seeks to establish DEAP institutes for data-intensive research in science and engineering that can accelerate discovery and innovation in a broad array of NASA Science Mission Directorate research domains. The DEAP Institutes will support convergence between science and engineering research communities as well as expertise in Data Science foundations, systems, and applications.

- Successful MUREP DEAP Proposals will be funded as multi-year cooperative agreements not to exceed (3) years
- Pre-Proposal teleconference - September 14, 2022, at 4:00 PM EST
- Proposals Due – October 24, 2022
- Eligibility - Predominately Black Institutions (PBIs) and Historically Black Colleges and Universities (HBCUs)

Questions may be directed to MUREPDEAP@nasaprs.com.
NASA Space Technology Graduate Research Opportunities 2023:

http://tinyurl.com/NSTGRO23

- Fellowship opportunity
- Awards will sponsor graduate student space technology research ideas that have significant potential to contribute to NASA’s goal of creating innovative new space technologies for our Nation’s science, exploration, and economic future
- Up to $83,000 per year and four years of support
  - $39,000 annual stipend
  - Support for tuition, health insurance, conference attendance, and the faculty advisor
  - Support for annual onsite tenure at NASA Centers across the country - recipients will collaborate with leading NASA experts in space technology to acquire a more detailed understanding of the potential end applications of their space technology efforts and directly disseminate their research results within the NASA community and beyond
- Proposal submission deadline: **November 1, 2022**

Interested reviewers should reach out to:

hs-nstgro-call@mail.nasa.gov
NASA’s Science and Space Technology Mission Directorates are offering a new pathway to participate in the National Science Foundation's Innovation Corps (I-Corps)™. The NASA I-Corps™ Pilot aims to accelerate the transition of promising ideas from the lab to the marketplace while encouraging collaboration between academia and industry. The NASA I-Corps™ Pilot will support teams with access to training in innovation and entrepreneurship skills through a grant, up to $10K, and the opportunity to apply for additional funding, up to $40K.

- Proposals may be submitted at any time through March 29, 2023; however, applications will be reviewed in intervals: September 16, 2022; Nov. 17, 2022; and Jan 20, 2023.
- Questions may be directed to Maggie Yancey at margaret.a.yancey@nasa.gov
- For more information, visit: www.nasa.gov/directorates/spacetechNASA_Innovation_Corps_Pilot

The cornerstone of NASA’s current and future missions
BIG IDEA CHALLENGE! NASA seeks student ideas for extracting, forging metal on the moon
- [https://www.nasa.gov/feature/nasa-seeks-student-ideas-for-extracting-forging-metal-on-the-moon](https://www.nasa.gov/feature/nasa-seeks-student-ideas-for-extracting-forging-metal-on-the-moon)
- [https://bigidea.nianet.org/2023-challenge/](https://bigidea.nianet.org/2023-challenge/)
- A non-binding notice of intent is due September 30, 2022. Written proposal and video submissions are due on January 24, 2023

The Space Technology Mission Directorate’s Strategic Technology Framework “LAND and EXPLORE THRUSTS” Request for Information (RFI) is open for input:
- The RFI seeks to obtain information and feedback from commercial industry, other government agencies, academia on the NASA’s Strategic Technology Plan
- More information on the LAND and EXPLORE thrusts may be found at [https://techport.nasa.gov/framework](https://techport.nasa.gov/framework)
- Deadline for input submission: October 6th, 2022
NASA’s **SmallSat Technology Partnership** (STP) initiative supports university-based technologies with the potential to advance the small spacecraft industry. The program aims to enhance the capabilities of SmallSats as a platform for innovative research and technology demonstrations, contributing to the nation’s lunar and deep space exploration objectives and high-priority science. **An FY23 Q1 solicitation release is planned.**

For more information about this initiative, visit [https://www.nasa.gov/directorates/spacetech/small_spacecraft/smallsat-technology-partnership-initiative](https://www.nasa.gov/directorates/spacetech/small_spacecraft/smallsat-technology-partnership-initiative)
NIH Update

NIH OFFICE OF POLICY FOR EXTRAMURAL RESEARCH ADMINISTRATION

SEPTEMBER 2022

CARRIE MITCHELL
Publication of the Revised NIH GPS for Fiscal Year 2022

- Update is applicable to all NIH grants and cooperative agreements with budget periods beginning on or after October 1, 2021, even though the updated GPS will be issued on or after December 31, 2022.
  - Previous versions of the NIH GPS remain applicable as standard terms and conditions of award for all NIH grants and cooperative agreements with budget periods that began prior to October 1, 2021.

- NIH will continue to publish interim grants policy changes and/or clarifications through the issuance of NIH Guide Notices, available here.

- As is standard, a significant changes table will be published alongside the GPS update.
Implementation of Changes to the Biographical Sketch and Other Support Format Page

- NIH requires applicants and recipients to use the updated Biosketch and Other Support format for applications, Just-in-Time (JIT) Reports, and Research Performance Progress Reports (RPPRs).
  - Effective January 25, 2022, electronic signatures and supporting documentation are required.
  - Failure to follow the appropriate formats may cause NIH to withdraw applications from or delay consideration of funding.

- Applicants and recipients remain responsible for disclosing all research endeavors regardless of the version of the forms used.

Learn more: NOT-OD-21-110
Learn More: Biosketch FAQs & Other Support FAQs
Public Comment Period for Draft Common Disclosure Forms Now Open

- NSF, on behalf of the National Science and Technology Council’s (NSTC) Research Security Subcommittee, is soliciting public comment on common disclosure forms for the Biographical Sketch and Current and Pending (Other) Support sections of a research application.

- The [NSTC Research Security Subcommittee NSPM-33 Implementation Guidance Disclosure Requirements & Standardization page](https://www.nsf.gov) on the NSF website is now live. It contains links to:
  - The [Federal Register Notice](https://www.federalregister.gov) soliciting public comment (posted August 31, 2022)
  - Draft Common Forms
  - Excel spreadsheet that summarizes all the data elements and attributes
  - Updated Disclosure Table- includes types of activities to be reported, where such activities must be reported in the application, when updates are required in the application and award lifecycle, and activities that are not required to be reported

- Deadline to submit comments on the draft common forms is **October 31, 2022**.
Updated Requirements for NIH Notification of Removal or Disciplinary Action Involving PDs/PIs or other Senior/Key Personnel (NOT-OD-22-129)

- Effective 60 days from the publication of NOT-OD-22-129 (published May 10, 2022), NIH recipient institutions are required to notify NIH when individuals identified as PD/PI or other Senior/Key personnel in an NIH notice of award are removed from their position or are otherwise disciplined by the recipient institution due to concerns about harassment, bullying, retaliation or hostile working conditions.

- Notification must be provided by the AOR within 30 days of the removal or disciplinary action and submitted through a dedicated web form.

- This disclosure requirement does not replace the existing requirements to obtain prior approval for any significant change in the status of the PD/PI or other Senior/Key Personnel specifically named in the notice of award.

- For more information about how NIH addresses institutional notifications of harassment, bullying, retaliation, or hostile working conditions, see Institutional Reporting.

- For more information on the NIH commitment to supporting a safe and respectful workplace at institutions that receive NIH funding, please visit our website.

- Resources on reporting allegations of harassment, including sexual harassment, discrimination, and other forms of inappropriate conduct that can result in a hostile work environment at your institution are available here.

Learn more: NOT-OD-22-129 and Consolidated Appropriations Act, 2022 (Public Law 117-103)
Reminder: Submission Validations for Clinical Trial Registration and Results Reporting

• Recipients will continue to receive an error preventing submission of an RRPR if there are studies involving clinical trials where:
  • Registration is due and no National Clinical Trial (NCT) number has been entered into the Human Subjects and Clinical Trials Information (HSCT) form or
  • Results are due and have not been submitted in ClinicalTrials.gov.

• To address the delinquent registration error, the recipient will be required to:
  • Provide the NCT number issued by ClinicalTrials.gov, or
  • Provide the ClinicalTrials.gov registration receipt that is received upon submission of the trial registration information to ClinicalTrials.gov.

• To address the results reporting error, the recipient will be required to:
  • Submit the trial results information to ClinicalTrials.gov or
  • Provide the ClinicalTrials.gov submission receipt for a (1) Good Cause Extension request or (2) Certification of Delayed Submission of Results Information from ClinicalTrials.gov.

• Recipients must take action to bring the clinical trial into compliance in order to clear validation errors, submit the RRPR, and continue to receive funding.

Learn more: NOT-OD-22-008
FORMS-H Grant Application Forms & Instructions Coming for Due Dates On or After January 25, 2023

- Effective for due dates on or after January 25, 2023, applicants must use FORMS-H application packages.

- Key forms change to add new “Other Plan(s)” single attachment to:
  - PHS 398 Research Plan
  - PHS 398 Career Development Award Supplemental Form
  - PHS 398 Research Training Program Plan
  - PHS Fellowship Supplemental Form


- See High-level summary of FORMS-H application form changes for more information.
  - Additional RPPR and other eRA system changes for DMS policy implementation (e.g., Grant folder and JIT module) are planned and will be communicated as details are finalized.

Learn more: NOT-OD-22-195
FORMS-H Timeline Highlights

- Fall 2022: Additional FORMS-H implementation details will be communicated via Guide notice.
- October 25, 2022: FORMS-H Application Guide will be posted to the How to Apply – Application Guide page.
- October 25, 2022: New funding opportunities with due dates on or after January 25, 2023 will begin to be published with FORMS-H application forms packages.
- October 25 – November 25, 2022: Active Parent and IC-issued funding opportunities with due dates on or after January 25, 2023 will be updated to add FORMS-H application forms packages.
- January 25, 2023: First FORMS-H application due date.
iEdison to Transition from NIH eRA to NIST

• Management of the iEdison system transitioned from the NIH eRA to the National Institute of Standards and Technology (NIST), U.S. Dept. of Commerce (DOC). The new iEdison by NIST launched August 9, 2022.

• The transition included several new capabilities and enhancements, including:
  • Ability to initiate discussions with the agency staff within an invention record using two-way communications.
  • Integration with the US Patent and Trademark Office (USPTO) database to ensure accuracy and reduce recipient reporting burden.
  • Optional real-time email notifications to both recipient and agency users for notifications regarding certain required reporting and reviewing actions.
  • Enhanced security through Login.gov

• All existing data and any attachments associated with individual invention and patent reports transferred to the new iEdison system. In addition, existing and active iEdison accounts will be associated with the new system.

• Reminder: There were no changes to the longstanding NIH requirements for invention and patent reporting under the Bayh-Dole Act. The only change is the new iEdison system interface and associated Login.gov requirements for access.

Learn more: NOT-OD-22-100; NOT-OD-22-158
New NIH Federal Financial Report and Financial Closeout Service Center

• Effective August 2022, NIH established a central Federal Financial Report (FFR) and Financial Closeout Service Center under OER OPERA.

• FFR and Financial Closeout Service Center will address and prevent financial overdraws by recipients and encourage recipients to complete drawdowns and reconciliation before submitting FFRs to NIH. Activities include:
  • Receiving, reviewing and reconciling Annual and Final FFRs
  • Closing transactions (059) submitted to PMS as part of Final FFR reconciliation and processing
  • Reviewing Fellowship awards (FFR not required) after termination notice received. NIH will submit closing transactions to PMS.

• FFR Process Improvements:
  • Reconcile FFR with PMS data
  • Coordinate reviews with ICs to minimize errors
NIH FFR Resources

- A central email inbox is now available for inquiries related to the submission and processing of FFRs and financial closeout.
  - OPERAFFRInquiries@od.nih.gov
- Other currently available resources related to FFR reporting requirements and grant closeout:
  - NIH Grants Policy Statement 8.4.1.5 Financial Reports
  - NIH Grants Policy Statement 8.6 Closeout; 8.6.1 Final Federal Financial Report
  - NIH Grants and Funding Closeout webpage
  - Grant Closeout Frequently Asked Questions (FAQs)
NIH Response to Registration Issues in SAM.gov

• GSA implemented a new process in SAM.gov to validate entities as a first step to requesting a UEI and for completing SAM.gov entity registration. Due to high demands on their systems, the GSA experienced delays in the SAM process used to update or renew an entity registration.

• Due to SAM.gov system challenges that have the potential to impact all applicants and recipients across the Federal government, NIH is making an exception to the Late Application Policy until the issue is resolved.

• If an applicant entity does not have a current SAM registration or renewal at the time of the application submission due date, NIH will accept late applications within the two-week late window as long as the entity has submitted all SAM registration or renewal documentation at least two weeks prior to the application due date and all other aspects of the application are compliant and consistent with the funding opportunity announcement requirements.
  • The entity's application Cover Letter must include documentation, such as a confirmation email or screenshot, demonstrating that the SAM registration or renewal request was submitted prior to the application due date.

• Any entity registration that was set to expire between March 18, 2022 and April 18, 2022 was automatically granted a 60-day extension to renew its registration in SAM.gov. See this FSD FAQ for more information.

• An automatic, 30-day extension was implemented for any existing SAM.gov entity registrations needing to be renewed with an expiration date ranging between Friday, April 29, 2022, and April 28, 2023. No action is required on the part of entity registrants.

• Organizations that do not have an active SAM registration cannot be issued an NIH award.

Learn more: NOT-OD-22-119
Questions?

- Division of Grants Policy:
  - E-Mail: GrantsPolicy@mail.nih.gov

- Division of Grants Compliance & Oversight:
  - E-Mail: GrantsCompliance@mail.nih.gov

- Systems Policy Branch
  - E-Mail: OPERAsystemspolicy@mail.nih.gov

- Division of Extramural Inventions and Technology Resources:
  - E-Mail: Inventions@nih.gov

- OPERA FFR Center:
  - E-Mail: OPERAFFRInquiries@od.nih.gov
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Agenda

- About us
- Our Granting Process
- Research Areas
- Improving Competitiveness
- Opportunities
About Us

AFRL TECHNOLOGY DIRECTORATES

AF Office of Scientific Research
- Physics and Electronics
- Aerospace, Chemical and Materials Sciences
- Mathematics, Information, and Life Sciences

Aerospace Systems
- Aerospace Vehicles
- Control, Power and Thermal Management
- High Speed Systems
- Space and Missile Propulsion
- Turbine Engines

Directed Energy
- High Power Electromagnetics (HPEM)
- Laser Systems (LS)
- Directed Energy
- Electro-Optics for Space Superiority
- Weapons Modeling & Simulation (WM&S)

Information
- Autonomy, Command and Control, and Decision Support
- Processing & Exploitation
- Cyber Science and Technology
- Connectivity and Dissemination

Human Performance
- Training
- Decision Making
- Bioeffects
- Human Centered ISR

Munitions
- Ordnance Sciences
- Fuze Technology
- Terminal Seeker Sciences
- Munitions Airframe, Guidance, Navigation & Control
- Munitions System Effects Sciences

Sensors
- Spectrum Warfare
- Layered Sensing Exploitation
- Enabling Devices and Components
- RF Sensing
- EO Sensing

Space Vehicles
- Space Electronics
- Space Remote Sensing
- Space Environment Impacts & Mitigation
- Space Experiments
- Space Platforms

Materials and Manufacturing
- Structural Materials
- Functional Materials
- Manufacturing Technologies
- Support for Operations

www.AFResearchLab.com
How We Work

**FIND**

- **36** Program Officers reaching scientists & engineers globally

**FORM**

- **Shape** emerging science into high-performing teams and portfolios that address long-term basic science barriers to future AF capabilities

**FUND**

- **1098** extramural research projects at 174 US universities
- **208** intramural research projects at AFRL Technical Directorates
- **268** international efforts in 39 countries

* FY18 Figures a/o 28 May 19

**FORWARD**

- **Transition** through AFRL TDs, Small Business Innovation Research & Small Business Technology Transfer (SBIR/STTR)

DISTRIBUTION C: Distribution to limited U. S. Government agencies and their contractors. Other requests for this document shall be referred to AFOSR/ITA
AFOSR Granting Process
AFOSR Research Areas
AFOSR GENERAL BAA

- Outlines research areas of interest

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<th>Engineering and Complex Systems</th>
<th>Information and Networks</th>
<th>Physical Sciences</th>
<th>Chemistry and Biological Sciences</th>
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<tbody>
<tr>
<td>Dynamic Materials and Interactions</td>
<td>Computational Cognition and Machine Intelligence</td>
<td>Materials with Extreme Properties</td>
<td>Biophysics</td>
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<tr>
<td>GHz-Terahertz Electronics and Materials</td>
<td>Computational Mathematics</td>
<td>Atomic and Molecular Physics</td>
<td>Human Performance and Biosystems</td>
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<tr>
<td>Energy, Combustion, and Non-Equilibrium Thermodynamics</td>
<td>Dynamics and Control</td>
<td>Electromagnetics</td>
<td>Mechanics of Multifunctional Materials and Microsystems</td>
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<tr>
<td>Unsteady Aerodynamics and Turbulent Flows</td>
<td>Dynamic Data and Information Processing</td>
<td>Laser and Optical Physics</td>
<td>Molecular Dynamics and Theoretical Chemistry</td>
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<tr>
<td>High-Speed Aerodynamics</td>
<td>Information Assurance and Cybersecurity</td>
<td>Optoelectronics and Photonics</td>
<td>Natural Materials, Systems, and Extremophiles</td>
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<tr>
<td>Multiscale Structural Mechanics and Prognosis</td>
<td>Science of Information, Computation, Learning, and Fusion</td>
<td>Quantum Information Sciences</td>
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<tr>
<td>Space Propulsion and Power</td>
<td>Trust and Influence</td>
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<tr>
<td>Agile Science of Test and Evaluation (T&amp;E)</td>
<td>Complex Networks</td>
<td>Space Science</td>
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<td>Cognitive and Computational Neurosciences</td>
<td>Ultrashort Pulse Laser-Matter Interactions</td>
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<td>Condensed Matter Physics</td>
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Improving Competitiveness

DOING BUSINESS WITH AFOSR

• Engage with AFOSR PO researchers to discuss your idea statement
• Promising ideas may begin an ongoing dialogue leading to full proposal submission
• Throughout your working relationship with AFOSR, you can expect an AFOSR PO to take on a number of roles:
  • Topical / Program Expert
  • Educator / Communicator
  • Team Builder
  • Advocate
  • Evaluator
  • Administrator
  • Active Member of AFRL, DoD & Scientific Communities
Improving Competitiveness

DOING BUSINESS WITH AFOSR

- Attend grant writing courses
- In general, a good proposal is one that includes:
  - Strong technical merit
  - Air Force relevance
  - Solid budget justification
  - Consideration given to every requirement stated in the BAA
Improving Competitiveness

DOING BUSINESS WITH AFOSR

• Understand funding considerations
• AFOSR receives far more good proposals than it's able to fund every year
• POs must factor many other considerations into funding decisions. Those include, but aren't limited to:
  • Overlap with program interests and connecting to DoD labs
  • Potential for scientific breakthroughs
  • Strategic directions
  • Budget realities
  • Peer review recommendations
## AFOSR Funding Opportunities

### Traditional Grants
- Extramural Grants
- Lab Tasks
- Historically Black Colleges and University/Minority Serving Institution Grants
- Young Investigator Grants (YIP)
- Center of Excellence Grants (COE)

### Additional Funding Opportunities
- Multidisciplinary University Research Grants (MURI)
- Defense University Research Instrumentation Program (DURIP)
- Small Business Tech Transfer Grants/Contracts
- Defense Enterprise Science Initiative (DESI)
- Summer Faculty Fellowships
- Windows on Science
- MINERVA
- Defense established program to stimulate competitive research (DEPSCoR)

### Workforce Development
- Undergraduate Research Experiences
- Graduate Fellowships
- AFRL Internships
- Windows on World
- AFRL Science and Technology Fellowships
- Lab Univ Collaboration Initiative

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- Core ~ $350M, OSD ~ $150M, Total Budget ~ $500M
- 65% of core mission funds extramural, 30% intramural, 5% international
Questions?