

NJIT Research Newsletter

Issue: ORN-2020-26

NJIT Research Newsletter includes recent awards, and announcements of research related seminars, webinars, national and federal research news related to research funding, and **Grant Opportunity Alerts** (with links to sections). The Newsletter is posted on the NJIT Research Website <https://research.njit.edu/funding-opportunities> .

Contents

[Special Announcements](#): Page 1

[Grant Opportunity Alerts: Keyword Index](#): Page 3

[Recent Awards](#): Page 4

[In the News \(Related to research funding\)](#): Page 4

[Webinars and Events](#): Page 6

[Grant Opportunities](#): Page 8

[National Science Foundation](#)

[National Institutes of Health](#)

[Department of Defense](#)

[Department of Transportation](#)

[Department of Agriculture](#)

[Department of Labor](#)

[Environmental Protection Agency](#)

[Department of Energy](#)

[NASA](#)

[National Endowment of Humanities](#)

[Private Foundations](#)

[Streamlyne Question of the Week](#): Page 27

[Proposal Submission and Streamlyne Information](#): Page 27

Special Announcements

NSF Revised Awards Terms and Conditions

<https://www.nsf.gov/awards/managing/rtc.jsp>

The following sets of NSF [Award Terms and Conditions](#) have been revised:

- NSF Agency Specific Requirements to the Research Terms and Conditions (ASR);
- Cooperative Agreement Financial & Administrative Terms and Conditions (CA-FATC);
- Cooperative Agreement Modifications and Supplemental Financial and Administrative Terms and Conditions for Major Multi-User Research Facility Projects and Federally Funded Research and Development Centers;
- Grant General Conditions (GC-1);
- Special Terms and Conditions (FL 26) for Administration of NSF Conference or Travel Grants;
- Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) Phase I Grant General Conditions (SBIR/STTR-I); and

- SBIR/STTR Phase II Cooperative Agreement Financial & Administrative Terms and Conditions (SBIR/STTR-II CA-FATC).

All of the terms and conditions have been updated to include a new article which establishes a post-award disclosure requirement for undisclosed current support and in-kind contribution information. Each set of terms and conditions is accompanied by a summary of changes made to that document.

The revised terms and conditions will apply to all new NSF awards and funding amendments to existing NSF awards made on or after October 5, 2020, except for the SBIR/STTR-I and SBIR/STTR-II CA-FATC which will become effective July 6, 2020.

Questions regarding NSF terms and conditions may be sent to the DIAS Policy Office at: policy@nsf.gov.

[Back to Contents](#)

NSF Implementation of OMB Memorandum M-20-26

https://www.nsf.gov/bfa/dias/policy/covid19/covid19_nsfomb2026implementation.pdf

NSF has implemented the [OMB Memorandum M-20-26](#), “Extension of Administrative Relief for Recipients and Applicants of Federal Financial Assistance Directly Impacted by the Novel Coronavirus (COVID-19) due to Loss of Operations” dated June 18, 2020.

The purpose of this guidance is to implement updated guidance authorized by Office of Management and Budget (OMB) Memorandum M-20-26¹ for recipients affected by COVID-19. This guidance extends two of the short-term administrative relief from specific requirements contained in 2 CFR Part 200, *Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards*, without compromising accountability requirements. These extensions, that go beyond what OMB previously outlined in Memorandum M-20-17, specifically pertain to the allowability of salaries and other project activities and single audit submission. In order to support charges against NSF awards, recipients are reminded of their responsibility to maintain appropriate records and documentation to support the charges in accordance with institutional policies and procedures. The extended flexibilities authorized by OMB in M-20-26 are outlined below.

1. Allowability of Salaries and Other Project Activities (2 CFR § 200.403, 2 CFR § 200.404, 2 CFR § 200.405)

Recipients are authorized to continue to charge salaries and benefits to active NSF awards consistent with the recipients' policy of paying salaries (under unexpected or extraordinary circumstances) from all funding sources, Federal and non-Federal. NSF continues to authorize recipients to charge other costs to NSF awards necessary to resume activities supported by the award, consistent with applicable Federal cost principles and the benefit to the project. Recipients must not assume that supplemental funding will

¹ [OMB M-20-17](#), *Administrative Relief for Recipients and Applicants of Federal Financial Assistance Directly Impacted by the Novel Coronavirus (COVID19) due to Loss of Operations* (March 19, 2020), and OMB M-20-20, *Repurposing Existing Federal Financial Assistance Programs and Awards to Support the Emergency Response to the Novel Coronavirus (COVID-19)* (April 9, 2020), were rescinded effective June 16, 2020. Any requests for use of flexibilities specified in OMB Memoranda M-20-17 or M-20-20 that were submitted prior to June 16th are actionable by NSF if included in the Foundation's implementation.

be available should the charging of such costs or other fees result in a shortage of funds to eventually carry out the original goals of the project.

NSF may also evaluate the recipient's ability to resume the project activity in the future and the appropriateness of future funding, as done under normal circumstances based on subsequent annual project reports and other communications with the recipient.

Under this flexibility, payroll costs paid with the Paycheck Protection Program (PPP) loans or any other Federal Coronavirus Aid, Relief, and Economic Security (CARES) Act programs must not be also charged to current NSF awards as it would result in the Federal government paying for the same expenditures twice. Recipients are reminded of their responsibility to maintain appropriate records and cost documentation; as required by 2 CFR § 200.302 - *Financial management* and 2 CFR § 200.333 - *Retention requirement of records*, to substantiate the charging of any salaries and other project activities costs related to interruption of operations or services.

Due to the limited funding resources under each NSF award necessary to achieve its specific project, as specified in M-20-26, recipients must exhaust other available funding sources to sustain its workforce and implement necessary steps to save overall operational costs (such as rent renegotiations) during this pandemic period in order to preserve NSF funds for the ramp-up effort. Recipients must retain documentation of their efforts to exhaust other funding sources and reduce overall operational costs.

This flexibility is time limited and will expire on September 30, 2020.

2. Extension of Single Audit Submission and COVID-19 Emergency Acts Fund Reporting (2 CFR § 200.512)

Recipients and subrecipients that have not yet filed their single audits with the Federal Audit Clearinghouse as of March 19, 2020, that have normal due dates from March 30, 2020 through June 30, 2020, are authorized to delay the completion and submission of the Single Audit reporting package, as required under Subpart F of 2 CFR § 200.501 - *Audit Requirements*, up to six (6) months beyond the normal due date. Audits with normal due dates from July 31, 2020, through September 30, 2020, will have an extension of up to three (3) months beyond the normal due date. No further action by NSF is required to enact this extension. This extension does not require individual recipients and subrecipients to seek approval for the extension by the cognizant or oversight agency for audit; however, recipients and subrecipients should maintain documentation of the reason for the delayed filing. Recipients and subrecipients taking advantage of this extension would still qualify as a "low-risk auditee" under the criteria of 2 CFR § 200.520(a) - *Criteria for a low-risk auditee*.

Additionally, in order to provide adequate oversight of the COVID-19 Emergency Acts funding and programs, recipients and subrecipients must separately identify the COVID-19 Emergency Acts expenditures on the Schedules of Expenditures of Federal Awards and audit report findings.

This flexibility is time limited and will expire on December 31, 2020.

Any questions regarding the NSF implementation of M-20-26 should be directed to the NSF Policy Office at policy@nsf.gov.

NJIT Multi-Phase Ramp Up Research Continuity and Recovery Plan

<https://research.njit.edu/njit-pandemic-recovery-plan>

For ramping up the phased research continuity and recovery operations, the NJIT guidelines and protocols for Phase-1, Phase-2 and Phase-3 are posted on the research website <https://research.njit.edu/njit-pandemic-recovery-plan>. These protocols are subject to change based on the guidance and regulations from the federal, state, and local government agencies.

The Office of the Secretary of Higher Education (OSHE) has issued standards for institutions of higher education as they begin restarting campus operations impacted by the COVID-19 pandemic. The standards align with the stages of New Jersey's phased "[The Road Back: Restoring Economic Health Through Public Health](#)" plan and provide a framework of critical standards, additional steps institutions should consider when formulating plans, and examples of safeguarding practices in 10 key on-campus functional areas: instruction, residential housing, computer laboratories, libraries, research, student services, transportation, dining, international travel, and athletics. New Jersey "Restart Standards for all New Jersey Institutions of Higher Education" plan is posted on the website <https://www.nj.gov/highereducation/documents/pdf/index/OSHErestart.pdf>.

NJIT faculty, staff, and students at research facilities must follow the specific social distancing and safety protocols including the use of personnel protective equipment (PPE) as required by the institutional, state and federal guidelines in the respective phase of the research continuity plan. State and national information regarding current conditions can be found at:

- New Jersey's COVID-19 information hub: <https://covid19.nj.gov/index.html>
- White House Plan for Opening up America Again: <https://www.whitehouse.gov/wp-content/uploads/2020/04/Guidelines-for-Opening-Up-America-Again.pdf>

Grant Opportunity Alerts

Keywords and Areas Included in the Grant Opportunity Alert Section Below

NSF: Disaster Resilience Research Grants (DRRG); Division of Physics: Investigator-Initiated Research Projects (PHY); NSF-DFG Lead Agency Activity in Electrosynthesis and Electrocatalysis; Division of Chemistry: Disciplinary Research Programs (CHE-DRP); Plant Biotic Interactions

NIH: BRAIN Initiative: Proof of Concept Development of Early Stage Next Generation Human Brain Imaging (R01); **BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain (R01)**; NIH Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25); Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32); Emergency Awards: RADx-UP Coordination and Data Collection Center (CDCC) (U24); NIH Director's Emergency Transformative Research Awards (R01)

Department of Defense/US Army/DARPA/ONR: DoD Pancreatic Cancer, Idea Development Award; CRANBAA-20-0002; Future Scholars for Science, Technology, Engineering, and Mathematics (STEM) Workforce; Defense Sciences Office Office-wide; COVID-19 Seedling Research Topics; C4ISR, Information Operations, Cyberspace Operations and Information Technology System Research; Naval Air Warfare Center Aircraft Division (NAWCAD) Office-Wide

Department of Transportation: Advanced Transportation and Congestion Management Technologies Deployment Initiative

Department of Agriculture: Distance Learning and Telemedicine Grants; Biotechnology Risk Assessment Grants Program; REAP-Renewable Energy Systems and Energy Efficiency Improvements

Department of Labor: Supply Chains Tracing Project

EPA: Assessment Tools for Biotechnology Products

Department of Energy: Research and Development for Advanced Water Resource Recovery Systems; Small-Scale Solid Oxide Fuel Cell Systems and Hybrid Electrolyzer Technology Development; Advanced Manufacturing Office Multi-Topic FOA

NASA: ROSES 2020: Science Team for the OCO Missions; SAGE III/ ISS Science Team; Solar Irradiance Science Team; NASA Innovative Advanced Concepts (NIAC) Phase I; The New (Early Career) Investigator Program in Earth Science; ROSES 2020: Space Weather Science Application Operations-to-Research

National Endowment of Humanities: Humanities Initiatives; Public Humanities Projects

Private Foundations: William T. Grant Foundation: Scholar Program

Mozilla: Open Source Support (MOSS) Awards

[Back to Contents](#)

Recent Research Grant and Contract Awards

Congratulations to faculty and staff on receiving research grant and contract awards!

PI: Dale Gary (PI)

Department: Center for Solar Terrestrial Research

Grant/Contract Project Title: Type III Radio Bursts from Nanoflares

Funding Agency: NASA

Duration: 09/07/17-03/31/21

PI: Alexander Kosovichev (PI)

Department: Center for Computational Heliophysics

Grant/Contract Project Title: Consequences of Flows and Fields in the Interior and Exterior of the Sun (COFFIES)

Funding Agency: NASA

Duration: 02/01/20-01/31/22

PI: Alex Haimovich (PI)

Department: Electrical and Computer Engineering

Grant/Contract Project Title: End-to-End Machine Learning (E2EML) Fuze Radar

Funding Agency: U.S. Department of Defense (DOTC)

Duration: 06/25/20-08/31/23

PI: Joshua Young (PI), Wen Zhang (Co-PI) and Sagnik Basuray (Co-PI)

Department: Chemical and Material Engineering; Civil and Environmental Engineering

Grant/Contract Project Title: Assessment of Spent Lithium-ion Batteries on Surface Water Quality: Delineating Baseline Level Changes of Lithium, Cobalt and Lithium Hexafluorophosphate

Funding Agency: USGS

Duration: 03/01/20-02/28/21

PI: Xiaonan Shi (Fellow), Wen Zhang (Co-PI) and Taha Marhaba (Co-PI)
Department: Civil and Environmental Engineering
Grant/Contract Project Title: Carbon-Metal Nanohybrids (CMNHs)-Impregnated Electrochemically Reactive Membrane Filtration for PFAS Removal
Funding Agency: USGS
Duration: 03/01/20-02/28/21

PI: Leqi Lin (Fellow), Wen Zhang (Co-PI) and Lucia Rodriguez Freire (Co-PI)
Department: Civil and Environmental Engineering
Grant/Contract Project Title: Assessment of Spent Lithium-ion Batteries on Surface Water Quality: Delineating Baseline Level Changes of Lithium, Cobalt and Lithium Hexafluorophosphate
Funding Agency: USGAS
Duration: 03/01/20-02/28/21

PI: Qingquan Ma (Fellow) and Wen Zhang (Co-PI)
Department: Civil and Environmental Engineering
Grant/Contract Project Title: Carbon-Metal Nanohybrids (CMNHs)-Impregnated Electrochemically Reactive Membrane Filtration for PFAS Removal
Funding Agency: USGS
Duration: 03/01/20-02/28/21

[Back to Contents](#)

In the News...

(National and Federal News Related to Research Funding and Grant Opportunities)

Enhancing the Security and Integrity of America's Research Enterprise: A new document from the White House Office of Science and Technology Policy poses the question: How widespread are behaviors that threaten research security and integrity? Answer: "Data are incomplete but suggest widespread and systemic activity across geographic location and research discipline. Incidents of concern are not unique to any one background, ethnicity, or nationality. Other countries have identified similar behaviors in their research enterprises . . ." The National Institutes of Health "identified concerns regarding more than 189 scientists." The National Science Foundation's inspector general has reported a 20 percent increase in caseload in the last year.

Undisclosed Estimated \$6.5 Billion Foreign Funding: That's the amount of "previously undisclosed foreign funding" at institutions of higher education identified by the Department of Education, the OSTP document says. ED has also found "\$1 billion in funding for unknown objectives from anonymous sources in China, Russia, Qatar, and Saudi Arabia." The agency has opened 10 civil compliance investigations of U.S. universities for failing to disclose their financial relationship with foreign sources. DoD set up a Research Protection Initiative to establish consistent standards for the reporting of conflicts, detect incidents of problematic behavior, and work with academic institutions to limit undue foreign influence in research awards, OSTP says.

NSF Supporting Research on Pandemics within the Civic Innovation Challenge: NSF launched CIVIC earlier this spring with the goals of (i) flipping the community-university dynamic, with

communities identifying civic priorities ripe for innovation and then partnering with researchers to address those priorities; (ii) accelerating the impact of S&CC research; and (iii) deepening cooperation and information sharing across sectors and regions. CIVIC is organized as a two-stage competition with two tracks. One track is centered on resilience to natural disasters and calls for research that equips communities with greater preparedness and resilience to natural disasters. The other track is centered on communities and mobility and calls for research that addresses better mobility options to solve the spatial mismatch between housing affordability and jobs, as well as associated mobility solutions that can increase access to critical services and amenities that foster healthy and thriving communities.

While CIVIC was planned long in advance of the novel coronavirus 2019 (COVID-19) outbreak, today the world is focused on this pandemic. Given this reality, NSF is notifying the community of its interest in pandemics as an *example* of a disaster pursuant to the resilience track or as a possible consideration in framing the focus of the mobility track.

The resilience track within CIVIC encompasses the broad elements of society that experience disruptions due to natural disasters including healthcare, economic, and social systems, as well as transportation, education, service delivery, food supply chains, and housing, among others. The resilience track has been expanded to include pandemics due to global experiences with COVID-19 that have highlighted the similarities in societal disruptions caused by pandemics and natural disasters, and the associated needs for resilience planning.

[Back to Contents](#)

Webinar and Events

Event: Webinar: EHR Core Research Program

Sponsor: NSF

When: July 9, 2020 3.00 PM – 4.00 PM

July 16, 2020 3.00 PM – 4.00 PM

July 23, 2020 3.00 PM – 4.00 PM

July 30, 2020 3.00 PM – 4.00 PM

Website: <https://www.nsf.gov/pubs/2019/nsf19508/nsf19508.htm>

https://www.nsf.gov/events/event_summ.jsp?cntn_id=300751&org=NSF

Brief Description: HR Core Research (ECR) Overview of Solicitation and Proposal Submission: Solicitation [NSF 19-508](#) Program Outreach Webinar

Registration is required so we can communicate with you before and after the webinar - there is no need to contact the program directly. After registering, you will automatically receive instructions by email from Zoom for joining the webinar. If you don't receive the email, please check your junk or clutter folders.

To Join the Webinar: [REGISTER FOR THE REGULAR SESSION ECR WEBINARS](#)

Event: Webinar: *The Center on Materials Data Science for Reliability and Degradation: An (NSF) Industry-University Cooperative Research Center Webinar (2020)*

Sponsor: UIDP

When: July 8, 2020 12.00 PM – 1.00 PM

Website: [Registration Website](#)

Brief Description: Case Western Reserve University (CWRU) and the University of Pittsburgh (Pitt) and are planning to form a new National Science Foundation (NSF) Industry University Cooperative Research Center (IUCRC) named The Center on Materials Data Science for Reliability and Degradation (MDS-

Rely). The primary goal of MDS-Rely is Materials Data Science, and the application of data science-informed research to better understand the reliability and lifetime performance of essential materials, products, and devices. This IUCRC builds on established centers at both locations focusing on polymers, metals, energy materials, advanced and additive manufacturing, and in data science and analytics. This webinar will introduce companies and government labs to the advantages of IUCRCs and encourage participation in research thrusts. More information may be found [here](#).

To Join the Webinar: Register at above URL.

Event: Webinar: Sony Research Award Program Webinar

Sponsor: UIDP

When: July 15, 2020 12.00 PM - 12.45 PM

Website: [Registration Website](#)

Brief Description: It's time to innovate with Sony. Apply for the 2020 Sony Research Award Program. UIDP will host an informative webinar about the Sony Research Award Program with 20 minutes of presentation and the rest for Q&A from the audience. Learn more about the award program, submission guidelines, and application deadlines during Sony's webinar with Mark Ortiz, the manager of the Strategy & Planning Office for Sony Corporation of America's R&D Center U.S., San Jose Laboratory. The Sony Research Award Program is an academic award initiative created to provide U.S., Canadian, and select European country universities funding for emerging and innovative technology research projects in collaboration with Sony's own research division. The Program comprises the Faculty Innovation Award and the Focused Research Award within three broad subject categories: Information Technology, Devices & Materials, and Life Sciences. With awards of up to \$150,000 per year for each accepted proposal, the Sony Research Award Program creates new opportunities for university faculties to engage in pioneering research that could drive new technologies, industries, and the future.

To Join the Webinar: Register at above URL

[Back to Contents](#)

Grant Opportunities

National Science Foundation

Grant Program: Disaster Resilience Research Grants (DRRG)

Agency: National Science Foundation NSF 20-581

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20581/nsf20581.htm>

Brief Description: With this joint solicitation, the NSF and the U.S Department of Commerce (DOC) National Institute for Standards and Technology (NIST) call for proposals for research to advance fundamental understanding of disaster resilience in support of improved, science-based planning, policy, decisions, design, codes, and standards.

Awards: Standard or continuing grants; **Anticipated Funding Amount:** \$3,100,000

Letters of Intent: August 14, 2020

Proposal Submission Deadline: September 15, 2020

Contacts: Jacqueline R. Meszaros, ENG/CMMI, telephone: (703) 292-7261, email: jmeszaro@nsf.gov

- Jason Averill, Chief, MSS Div, ENG Lab, NIST, telephone: (301)975-2585, email: jason.averill@nist.gov
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Grant Program: Division of Physics: Investigator-Initiated Research Projects (PHY)

Agency: National Science Foundation NSF 20-580

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20580/nsf20580.htm>

Brief Description: The Division of Physics (PHY) supports physics research and the preparation of future scientists in the nation's colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The Division is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Atomic, Molecular and Optical Physics; Elementary Particle Physics; Gravitational Physics; Integrative Activities in Physics; Nuclear Physics; Particle Astrophysics; Physics at the Information Frontier; Physics of Living Systems; Plasma Physics; and Quantum Information Science. The Division of Physics strongly encourages single proposal submission for possible co-review rather than submission of multiple related proposals to several programs.

PIs considering submitting more than one proposal to this solicitation, or who already have an active PHY award, are encouraged to first consult with the relevant program officer(s) before preparing a new proposal. This does not apply to awards from or submissions to the MRI, REU, and/or center programs, or in cases of renewal proposals.

Awards: Standard or continuing grants; **Anticipated Funding Amount:** \$90,000,000

Letters of Intent: Not required

Proposal Submission Deadline:

October 19, 2020

Third Monday in October, Annually Thereafter Physics of Living Systems

November 16, 2020

Third Monday in November, Annually Thereafter Plasma Physics

November 25, 2020

Fourth Wednesday in November, Annually Thereafter AMO - Theory and Experiment; Gravitational Physics - Theory and Experiment; LIGO Research Support; Integrative Activities in Physics

December 01, 2020

First Tuesday in December, Annually Thereafter Nuclear Physics - Theory and Experiment; Elementary Particle Physics - Experiment; Particle Astrophysics - Experiment

December 08, 2020

Second Tuesday in December, Annually Thereafter Elementary Particle Physics - Theory; Particle Astrophysics and Cosmology – Theory; Quantum Information Science

Contacts: Krastan B. Blagoev, Physics of Living Systems, telephone: (703) 292-4666,

email: kblagoev@nsf.gov

- Mark Coles, Projects and Facilities, telephone: (703) 292-4432, email: mcoles@nsf.gov

Grant Program: NSF-DFG Lead Agency Activity in Electrosynthesis and Electrocatalysis (NSF-DFG EChem)

Agency: National Science Foundation NSF 20-578

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20578/nsf20578.htm>

Brief Description: We are particularly interested in novel and fundamental electrochemical reactions and studies addressing transformations in organic and polymer synthesis, water splitting (hydrogen/oxygen evolution), and nitrogen reduction (ammonia production). Relevant activities include, but are not limited to, mechanistic studies; catalyst design, synthesis, and characterization; computational modeling, theory, and simulation; and experimental tool development. For fundamental engineering science projects, we are interested in studies involving reaction engineering, reactor system design, and component or device scale studies as examples that provide fundamental knowledge supporting scale-up of systems. In

addition, fundamental engineering science projects involving alternative (to thermal) activation mechanisms such as microwaves (e.g. microwave assisted catalysis) and low temperature plasmas (e.g. plasma-assisted catalysis) are welcomed.

Awards: Standard or continuing grants; **Anticipated Funding Amount:** \$5,000,000

Letters of Intent: An Expression of Interest (EOI) must be submitted to NSFDFG@nsf.gov by July 1, 2020, prior to the submission of a full proposal.

Proposal Submission Deadline: September 30, 2020

Contacts: Kenneth Moloy, CHE, telephone: (703) 292-8441, email: NSFDFG@nsf.gov

- Brandi Schottel, CBET, telephone: (703) 292-4798, email: NSFDFG@nsf.gov
- Markus Behnke, DFG/PC, telephone: 49 (228) 885-2181, email: NSF-DFG-Chemistry@dfg.de

Grant Program: Division of Chemistry: Disciplinary Research Programs (CHE-DRP)

Agency: National Science Foundation NSF 20-577

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20577/nsf20577.htm>

Brief Description: This solicitation applies to nine CHE Disciplinary Chemistry Research Programs: Chemical Catalysis (CAT); Chemical Measurement and Imaging (CMI); Chemical Structure, Dynamics and Mechanisms-A (CSDM-A); Chemical Structure Dynamics and Mechanisms-B (CSDM-B); Chemical Synthesis (SYN); Chemical Theory, Models and Computational Methods (CTMC); Chemistry of Life Processes (CLP); Environmental Chemical Sciences (ECS); and Macromolecular, Supramolecular and Nanochemistry (MSN).

All proposals submitted to these nine CHE Disciplinary Research Programs (other than the following exceptions) must be submitted through this solicitation, otherwise they will be returned without review.

Exceptions:

- Faculty Early Career Development Program (CAREER) proposals should be submitted through the CAREER solicitation (https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214) by the CAREER deadline date specified.
- Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA) proposals should be submitted through the RUI/ROA solicitation (https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5518) during the window for the appropriate CHE Disciplinary Research Program. In addition to the requirements of the RUI program, proposals should follow the guidance in this solicitation.
- Proposals for Early-concept Grants for Exploratory Research (EAGER), Grants for Rapid Response Research (RAPID), Research Advanced by Interdisciplinary Science and Engineering (RAISE), and conferences can be submitted anytime after consultation with the cognizant NSF Program Officer.
- Supplemental funding requests to existing grants can be submitted anytime after consultation with the cognizant NSF Program Officer.

Awards: Standard or continuing grants; **Anticipated Funding Amount:** \$150,000,000

Letters of Intent: Not Required

Proposal Submission Deadline: September 01, 2020 - September 30, 2020

Contacts: For CLP: Catalina Achim, telephone: (703) 292-2048, email: cachim@nsf.gov

- For CSDM-A: Colby A. Foss, telephone: (703) 292-5327, email: cfoss@nsf.gov
- For CMI: Kelsey D. Cook, telephone: (703) 292-7490, email: kcook@nsf.gov

Grant Program: Plant Biotic Interactions

Agency: National Science Foundation NSF 20-576

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20576/nsf20576.htm>

Brief Description: The Plant Biotic Interactions (PBI) program supports research on the processes that mediate beneficial and antagonistic interactions between plants and their viral, bacterial, oomycete, fungal, plant, and invertebrate symbionts, pathogens and pests. This joint NSF/NIFA program supports projects focused on current and emerging model and non-model systems, and agriculturally relevant plants. The program's scope extends from fundamental mechanisms to translational efforts, with the latter seeking to put into agricultural practice insights gained from basic research on the mechanisms that govern plant biotic interactions. Projects must be strongly justified in terms of fundamental biological processes and/or relevance to agriculture and may be purely fundamental or applied or include aspects of both perspectives. All types of symbiosis are appropriate, including commensalism, mutualism, parasitism, and host-pathogen interactions. Research may focus on the biology of the plant host, its pathogens, pests or symbionts, interactions among these, or on the function of plant-associated microbiomes.

Awards: Standard or continuing grants; **Anticipated Funding Amount:** \$18,500,000

Letters of Intent: Not Required

Proposal Submission Deadline: Proposals Accepted Anytime

Contacts: Michael L. Mishkind, Program Director, E12332, telephone: (703) 292-7190, email: mmishkin@nsf.gov

[Back to Contents](#)

National Institutes of Health

Grant Program: BRAIN Initiative: Proof of Concept Development of Early Stage Next Generation Human Brain Imaging (R01 Clinical Trial Not Allowed)

Agency: National Institutes of Health RFA-EB-20-001

RFP Website: <https://grants.nih.gov/grants/guide/rfa-files/RFA-EB-20-001.html>

Brief Description: The long-term objective of the overall BRAIN initiative is to accelerate technology development and the use of tools for acquiring fundamental insight about how the nervous system functions in health and disease. This FOA aims to support entirely new noninvasive imaging methods or unusually bold approaches for existing noninvasive imaging methods that will lead to transformative advances in our understanding of the function and connectivity of the human brain.

The FOA solicits small-scale projects to prove exceptionally innovative, original and/or unconventional concepts. The goal is to accelerate early stage development of promising and entirely new concepts that require some initial stage of development and testing before launching into full-scale tool development. Applications submitted in response to this FOA should focus on innovative approaches and proof-of-principle initial stage development for breakthrough, noninvasive imaging technology to measure brain function and connectivity in ways that are currently unachievable. The proposed concepts and approaches are expected to be high-risk, high-impact, and disruptive.

This FOA will support early stage development of novel interdisciplinary research and technology for noninvasive next generation human brain imaging, with the intention that the technologies be capable of being used in healthy humans. To this end, this FOA will support interdisciplinary teams from diverse research domains to conduct research and development activities such as data exchange, prototype development projects, and small-scale studies in mammals or humans to generate preliminary results. The teams should be prepared, by the completion of the award period, to commence fully developing the next-generation brain imaging technology ("BRAIN 2025: A Scientific Vision," <http://braininitiative.nih.gov/>).

Awards: Application budgets are limited to \$300,000 in direct costs in any project year.

Letter of Intent: 30 days prior to application due date.

Proposal Submission Deadline: September 3, 2020 and September 3, 2021

No late applications will be accepted for this Funding Opportunity Announcement.

All applications are due by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on the listed date(s).

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Contact: Shumin Wang, Ph.D., National Institute of Biomedical Imaging and Bioengineering (NIBIB)
Telephone: 301-594-9001, Email: shumin.wang@nih.gov

Grant Program: BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain (R01 Clinical Trial Not Allowed)

Agency: National Institutes of Health RFA-EB-20-002

RFP Website: <https://grants.nih.gov/grants/guide/rfa-files/RFA-EB-20-002.html>

Brief Description: The broad goal of The BRAIN InitiativeSM is to understand the circuits and patterns of neural activity that give rise to mental experience and behavior. As stated in the BRAIN 2025 Report (II.5), "Theory, Modeling, and Statistics Will Be Essential to Understanding the Brain." As advances in neurotechnologies are producing large, complex datasets at an unprecedented rate, novel theoretical and analytical approaches are needed to realize the potential of these rich datasets. Understanding neural circuitry requires an understanding of the algorithms and mechanisms that govern information processing within and between interacting circuits in the brain as a whole. Informed by rich observations, formalized theoretical frameworks allow researchers to infer general principles of brain function and the algorithms underlying functioning neural circuitry. Theory coupled with mathematical modeling and simulations are needed to identify gaps in knowledge, to drive the systematic collection of the future data (e.g., collected data should address model parameters that are currently unknown), and to formulate testable hypotheses on neural circuit mechanisms and how they affect behavioral and cognitive processes. Statistical approaches are needed to conduct formal inference to support or refute a stated theory or hypothesis. Finally, new data analysis methods are needed to detect dynamical features and patterns in complex data, often spanning multiple modalities and scales, are needed to reveal underlying mechanisms of brain function.

Awards: Application budgets not limited, but are expected to range between \$150,000 to \$250,000 direct costs per year.

Letter of Intent: August 14, 2020

Proposal Submission Deadline: September 14, 2020

All applications are due by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on the listed date(s).

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Contact: Grace C.Y. Peng, PhD, National Institute of Biomedical Imaging and Bioengineering (NIBIB)
Telephone: 301-451-4778, Email: BRAINTheoriesFOA@mail.nih.gov

Grant Program: NIH Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25 Clinical Trial Not Allowed)

Agency: National Institutes of Health PAR-20-240

RFP Website: <https://grants.nih.gov/grants/guide/pa-files/PAR-20-240.html>

Brief Description: This NIH Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25) is a flexible and specialized program designed to foster the development of neuroscience researchers from diverse backgrounds, including from underrepresented groups across career stages. Thus, it encourages applications from applicant organizations that propose innovative mentoring and professional development activities in the mission area(s) of the [NINDS](#) and/or [NIMH](#). This Neuroscience Diversity R25 initiative will focus on factors that have been shown to affect retention of underrepresented graduate students, postdoctoral trainees, and junior faculty in neuroscience research such as mentoring, scientific networks, professional development, and attention to the structural and institutional environment regarding inclusion (<http://acd.od.nih.gov/dbr.htm>; [Structure and Belonging: Pathways to Success for Underrepresented Minority and Women Ph.D. Students in STEM Fields](#); [The Science of Effective Mentorship in STEM](#)).

The NIH expects applicant institutions to propose programs that will lead to an improvement in the professional development, mentoring and technical expertise of individuals who are individuals from diverse backgrounds, including those from groups that are nationally underrepresented in neuroscience research. The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research.

Awards: Application budgets are limited to a maximum of \$250,000 direct cost per year.

Letter of Intent: 30 days prior to application due date.

Proposal Submission Deadline: January 25, 2021, September 27, 2021, and September 26, 2022, by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on these dates. All applications are due by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on the listed date(s).

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Contact: Michelle Jones-London, Ph.D., National Institute of Neurological Disorders and Stroke (NINDS), Telephone: 301-451-7966 Email: jonesmiche@ninds.nih.gov

Grant Program: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)

Agency: National Institutes of Health PA-20-242

RFP Website: <https://grants.nih.gov/grants/guide/pa-files/PA-20-242.html>

Brief Description: The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32) is to support promising candidates during their mentored postdoctoral training under the guidance of outstanding faculty sponsors. The proposed research and training plan should enhance the individual's potential to develop into a productive, independent researcher by providing strong mentorship, appropriate training and career development opportunities, and strong institutional support and commitment. The training plan should document the need for, and the anticipated value of, the proposed mentored training in relationship to the individual's research career goals. The training plan should also facilitate the fellow's transition to the next stage of his/her career.

Awards: Award budgets are composed of stipends, tuition and fees, and institutional allowance.

Letter of Intent: Not Applicable

Proposal Submission Deadline: [Standard dates](#) apply, by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on these dates.

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Contact: [Table of IC-Specific Information, Requirements, and Staff Contacts](#)

Grant Program: Emergency Awards: RADx-UP Coordination and Data Collection Center (CDCC) (U24 Clinical Trial Optional)

Agency: National Institutes of Health RFA-OD-20-013

RFP Website: <https://grants.nih.gov/grants/guide/rfa-files/RFA-OD-20-013.html>

Brief Description: NIH is issuing this FOA in response to the declared public health emergency issued by the Secretary, HHS, for 2019 Novel Coronavirus (COVID-19). This emergency cooperative agreement funding opportunity announcement (FOA) from the National Institutes of Health (NIH) provides an expedited funding mechanism as part of the Rapid Acceleration of Diagnostics-Underserved Populations (RADx-UP) initiative, a consortium of community-engaged research projects to understand factors that have led to disproportionate burden of the pandemic on the underserved and/or vulnerable populations so that interventions can be implemented to decrease these disparities. This FOA seeks to fund a single Coordination and Data Collection Center (CDCC) as an integral part of the consortium. The funding for this initiative is provided from the Paycheck Protection Program and Health Care Enhancement Act, 2020.

Awards: Application budgets are limited to \$5 Million in annual direct costs.

Letter of Intent: July 8, 2020

Proposal Submission Deadline: August 7, 2020. No late applications will be accepted for this Funding Opportunity Announcement.

All applications are due by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on the listed date(s).

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Contact: Dorothy Castille, 301-594-9411, dorothy.castille@nih.gov

Grant Program: NIH Director's Emergency Transformative Research Awards (R01 Clinical Trial Optional)

Agency: National Institutes of Health RFA-RM-20-020

Companion Funding Opportunities:

RFA-RM-20-013 [R01](#) NIH Director's Transformative Research Award

RFA-RM-20-014 [DP5](#) NIH Director's Early Independence Award

RFA-RM-20-021 [DP5](#) NIH Director's Emergency Early Independence Award

RFP Website: <https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-20-020.html>

Brief Description: This FOA solicits applications responsive only to the COVID-19 public health emergency through support of the [CARES Act](#). All other Transformative Research Award applications must be submitted in response to RFA-RM-20-013.

The [NIH Director's Transformative Research Award Program](#) supports individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original, and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. For the program to support the best possible researchers and research, applications are sought which reflect the full diversity of the nation's research workforce. Individuals from diverse backgrounds and from the full spectrum of eligible institutions in all geographic locations are strongly encouraged to apply to this Funding Opportunity Announcement. No preliminary data are required. Projects must clearly demonstrate, based on the strength of the logic, a

compelling potential to produce a major impact on SARS-CoV-2 prevention, preparation, or response. The NIH Director's Transformative Research Award is a component of the [High-Risk, High-Reward Research \(HRHR\) Program](#) of the [NIH Common Fund](#).

Awards: Application budgets are not limited but must be commensurate with the scope of the proposed research. Due to the COVID-19 public health emergency, the Common Fund will dedicate funds provided by the [CARES Act](#) to support a total of 5-10 Transformative Research Awards (through this FOA) or [Early Independence Awards](#) (through RFA-RM-20-021)

Letter of Intent: Not Required

Proposal Submission Deadline: September 30, 2020

All applications are due by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on the listed date(s).

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Contact: Ravi Basavappa, Ph.D., Office of the Director (OD), 301-435-7204

Email: Transformative_Awards@mail.nih.gov

[Back to Contents](#)

Department of Defense/US Army/DARPA/ONR/AFOSR

Grant Program: DoD Pancreatic Cancer, Idea Development Award

Agency: Department of Defense Dept. of the Army – USAMRAA W81XWH-20-PCARP-IDA

Website: <https://cdmrp.army.mil/funding/pa/FY20-PCARP-IDA.pdf>

Brief Description: Applications to the Fiscal Year 2020 (FY20) Pancreatic Cancer Research Program (PCARP) are being solicited for the Defense Health Agency (DHA) J9, Research and Development Directorate. To be considered for funding, applications for the FY20 PCARP Idea Development Award must address at least one of the FY20 PCARP Focus Areas. • Understanding precursors, origins, and early progression of pancreatic cancer • Understanding the events that promote pancreatic cancer metastasis • Understanding the relationship between oncogenic signaling and the tumor microenvironment that drives drug resistance and therapeutic response • Integration of biologic and imaging biomarkers to drive more precise and earlier detection and prognosis • Defining viable tumor burden • Supportive care and patient-reported outcomes, quality of life, and perspectives during treatment and survivorship • New drug development targeted toward cancer sensitivity and resistance mechanisms including immune mechanisms of resistance • Development of pharmacological, immunological, or genetic interception approaches

Awards: The FY20 appropriation is \$6 million (M).

Letter of Intent: Not Required

Proposal Deadline: Pre-Application Submission Deadline: 5:00 p.m. Eastern time (ET), August 25, 2020

• Invitation to Submit an Application: September 30, 2020 • Application Submission Deadline: 11:59 p.m. ET, November 20, 2020

Contact Information: CDMRP Help Desk Phone: 301-682-5507 Email: help@eBRAP.org

Grant Program: CRANBAA-20-0002

Agency: Department of Defense N00164-20-1-2001

Website: <https://www.grants.gov/web/grants/search-grants.html>

Brief Description: Naval Surface Warfare Center (NSWC) Crane and the Office of the Undersecretary of Defense for Research and Engineering (OUSD(R&E))'s Joint Hypersonic Transition Office (JHTO) are interested in receiving research proposals in the following areas. Each will have a Period of Performance (PoP) of 12 months.

- a. Systems-level design of high-temperature composite materials and structures research utilization of fiber architectures and matrix compositions
- b. Novel position, navigation, and timing and adaptive flight controls
- c. Design-oriented models to optimize scramjet and multi-mode engines
- d. Simulation Methods for the Rapid Prediction of Hypersonic Environments
- e. Addressing the flow path processes that occur in rectangular or curved inlets and isolators including the destabilization that may occur due to junction flows or off-nominal flight conditions
- f. The development of methods and models including validation experiments and instrumentation to provide high quality data on multiphase blast properties and structural responses to structures
- g. Improving the understanding of rotating detonation rocket engine (RDRE) physics and developing design solutions for their inherent technical challenges
- h. Hypersonic Workforce Curricula Development

Awards: Multiple awards are anticipated; Available funding: \$4,000,000

Letter of Intent: Not Required

Proposal Deadline: July 22, 2020

Contact Information: Dallas Parsley Code 022 BLDG 3373 Naval Surface Warfare Center Crane Division 300 HWY 361 Crane, IN 47522 Email: dallas.parsley@navy.mil

Grant Program: Future Scholars for Science, Technology, Engineering, and Mathematics (STEM) Workforce

Agency: Department of Defense FOA20AFRLRVKE0001

Website: <https://www.grants.gov/web/grants/search-grants.html>

Brief Description: This FOA supports STEM Workforce Development programs or projects that align with the Federal STEM Strategy and the DoD STEM Mission. This announcement encourages programs or projects that improve the capacity of education systems and communities to create impactful STEM educational experiences for students and teachers, and prepare the 21st century STEM workforce. AFRL's Workforce Development programs or projects include, but are not limited to:

- Internships (High School through Doctoral)
- Fellowship Apprentice/Residency Programs
- College or University project-based learning programs
- Formal or informal workforce development programs or projects that align with the Federal STEM Strategy and DOD STEM Mission

Before submitting an application, Recipients are highly encouraged to read the Federal STEM Education Strategy at <https://www.whitehouse.gov/wp-content/uploads/2018/12/STEM-Education-Strategic-Plan2018.pdf> and the DoD STEM's Mission at <https://dodstem.us/>.

Awards: Multiple awards are anticipated; Available funding: \$50,000,000

Proposal Deadline: Initial Submission Deadline For Proposals 21 July 2020, 2:00 PM EST
Final Submission Deadline For Proposals 22 July 2024, 2:00 PM EST

Contact Information: Sara Telano, Grantor, Phone 5058537353 sara.telano@us.af.mil

Grant Program: Defense Sciences Office Office-wide**Agency: Department of Defense DARPA - Defense Sciences Office HR001120S0048****Website:** <https://beta.sam.gov/opp/36d6bc789b364142a0f7a267017b06d9/view>

Brief Description: The mission of the Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is to identify and create the next generation of scientific discovery by pursuing high-risk, high-payoff research initiatives across a broad spectrum of science and engineering disciplines and transforming these initiatives into disruptive technologies for U.S. national security. In support of this mission, the DSO Office-wide BAA invites proposers to submit innovative basic or applied research concepts or studies and analysis proposals that address one or more of the following technical thrust areas: (1) Frontiers in Math, Computation and Design, (2) Limits of Sensing and Sensors, (3) Complex Social Systems, and (4) Anticipating Surprise. Each of these thrust areas is described below and includes a list of example research topics that highlight several (but not all) potential areas of interest. Proposals must investigate innovative approaches that enable revolutionary advances. DSO is explicitly not interested in approaches or technologies that primarily result in evolutionary improvements to the existing state of practice.

Awards: Multiple awards are anticipated; however, the level of funding for individual awards made under this solicitation has not been predetermined and will depend on the scope and quality of the proposals received, as well as the availability of funds.

Proposal Deadline: Executive Summary Due Date and Time: Executive Summaries may be submitted on a rolling basis until Executive Summary Due Date: June 11, 2021, 4:00 p.m. o Proposal Abstract Due Date and Time: Abstracts may be submitted on a rolling basis until June 11, 2021, 4:00 p.m. o FAQ Submission Deadline: June 2, 2021, 4:00 p.m. See Section VIII.A. o Full Proposal Due Date and Time: Proposals may be submitted on a rolling basis until June 11, 2021, 4:00 p.m

Contact Information: Phil Root, Deputy Director, DARPA/DSO o BAA Email: HR001120S0048@darpa.mil

Grant Program: COVID-19 Seedling Research Topics**Agency: Department of Defense IARPA IARPA-BAA-20-01****Website:** <https://beta.sam.gov/opp/173394225301447791745b4ffe707a52/view#general>

Brief Description: The Intelligence Advanced Research Projects Activity (IARPA) invests in high-risk/highpayoff research programs that have the potential to provide our nation with an overwhelming intelligence advantage. The current COVID-19 pandemic focuses attention on the need for technologies to assist with:

- detection and sensing;
- supply chain management and integrity;
- geo-spatio-temporal monitoring and mapping, with privacy protection;
- information reliability and collaboration tools; and
- modeling, simulation, and predictive analytics.

These technologies align well with needs of the intelligence and national security communities and are, therefore, under the purview of IARPA's research mission. Successful technology solutions will require creative, multidisciplinary methods, paradigm changing thinking, and transformative approaches. Preference will be given to research with the ability to not only provide rapid capability against the current COVID-19 pandemic, but also enhanced warning and response capacity for future similar events.

Awards: Multiple awards anticipated

Proposal Deadline: Proposal Due Date for Initial Round of Selections: July 7, 2020 (Offerors may submit proposals any time after June 5, 2020 until the proposal due date for initial round of selections, July 7,

2020.) o BAA Closing Date: May 20, 2021 (A BAA amendment will be issued to announce subsequent rounds of selections, if any)

Contact Information: ATTN: IARPA-BAA-20-01 Office of the Director of National Intelligence Intelligence Advanced Research Projects Activity Washington, DC 20511 Electronic mail: dni-IARPA-BAA-20-01@iarpa.gov Phone: Contracting Officer, 301-243-1886 (email is preferred)

Grant Program: C4ISR, Information Operations, Cyberspace Operations and Information Technology System Research

Agency: Department of Defense Naval Information Warfare Center Pacific N66001-20-S-4702

Website: <https://www.grants.gov/web/grants/search-grants.html>

Brief Description: Naval Information Warfare Center, Pacific (NIWC Pacific), is soliciting proposals in accordance with FAR 35.016, DoDGARS 22.315(a), and DoD Other Transactions (OT) Guide for Prototype Projects for research in areas relating to the advancement of C4ISR capabilities, enabling technologies for Information Operations and Cyberspace Operations, and Information Technology systems. Submissions in response to this announcement shall be for areas relating to the advancement of Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) capabilities, enabling technologies for Information Operations and Cyberspace Operations, and Information Technology systems.

Proposed research should investigate unique and innovative approaches for defining and developing next generation integratable C4ISR capabilities and command suites. The area topics reflect the interest of the NIWC Pacific, but interest from other Team NAVWAR components could be generated and selections could be made for funding by other than NIWC Pacific. Only offers that are in the areas of basic research, applied research, advanced technology development, and advanced component development and prototypes will be considered (see Appendix A). Testing and optimizing of concepts or prototypes may be necessary. This may involve virtual simulation and/or laboratory as well as at sea measurements.

Awards: Multiple awards are anticipated

Proposal Deadline: This announcement is open for 365 days from the original posting date. Any white papers received during that time shall only be considered for award of a contract, other transaction, grant, or cooperative agreement. Closing date; June 03. 2021

Contact Information: David Roden (Primary) Contract Specialist Telephone: (619) 553-2087 Email: David.Roden@navy.mil NIWC Pacific Code 22710 53560 Hull Street San Diego, CA 92152-5001

Grant Program: Naval Air Warfare Center Aircraft Division (NAWCAD) Office-Wide

Agency: Department of Defense NAVAIR N00421-20-S-0001

Website: [N00421-20-S-0001 at Beta.Sam.Gov](https://www.beta.sam.gov/N00421-20-S-0001)

Brief Description: The Naval Air Warfare Center Aircraft Division (NAWCAD) is interested in receiving proposals for research and development projects, which offer potential for advancement and improvement of NAWCAD operations. Readers should note that this is an announcement to declare NAWCAD's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines. NAWCAD has identified the research needed to address the challenges, problems, and future technology needs of the Warfighter. Research Opportunity Areas of Interest:

Systems Engineering. Areas of research include but are not limited to the following: integrated modeling environments, model based systems engineering methodology, integration of system models and physics-based models, systems safety engineering, air platform development and integration, system of systems architectures, aviation/ship integration, combat survivability, reliability and maintainability

engineering, anti-tamper engineering, electromagnetic environmental effects engineering, and manufacturing.

Research and Intelligence. Areas of research include but are not limited to the following: autonomous behaviors, big data workflow, machine learning (ML)/deep learning (DL), AI enabling technologies, quantum technologies, optics research & fabrication and chemical detection.

Modeling and Simulation. Areas of research include but are not limited to the following: weapon training systems, parallel computing, virtual environments, tactical decision-making, training technologies, multi-discipline simulation methodology development, constructive modeling and simulation, verification, and validation. • Logistics. Areas of research include but are not limited to supply chain development, supportability design, model based product support, automated sustainment monitoring, and supportability.

Additional areas include Data Analysis, Cyber, Weapons & Energetics Integration, Human Systems..

Awards: Various

Proposal Deadline: This announcement will remain open for one (1) year from the date of publication, or until replaced by a successor BAA. Proposals may be submitted at any time during this period.

Contact Information: Elisabeth Keith Contract Specialist Phone 3017570231
[NAWCAD BAA Coordinator Email](#)

[Back to Contents](#)

Department of Transportation

Grant Program: Advanced Transportation and Congestion Management Technologies Deployment Initiative

Agency: Department of Transportation 693JJ320NF00010

Website: <https://www.fhwa.dot.gov/fastact/factsheets/advtranscongmgmtfs.cfm>

Brief Description: The DOT hereby requests applications to result in awards to eligible entities to develop model deployment sites for large scale installation and operation of advanced transportation technologies to improve safety, efficiency, system performance, and infrastructure return on investment. These model deployments are expected to provide benefits in the form of: • reduced traffic-related fatalities and injuries; • reduced traffic congestion and improved travel time reliability; • reduced transportation-related emissions; • optimized multimodal system performance; • improved access to transportation alternatives, including for underserved populations; • public access to real time integrated traffic, transit, and multimodal transportation information to make informed travel decisions; • cost savings to transportation agencies, businesses, and the traveling public; or • other benefits to transportation users and the general public. This competitive ATCMTD Grant Program will promote the use of innovative transportation solutions. The deployment of these technologies will provide Congress and DOT with valuable real-life data and feedback to inform future decision-making.

Letter of Intent: Not Required

Proposal Deadline: August 31, 2020

Contact Information: Submit Questions to: ATCMTD@dot.gov

[Back to Contents](#)

Department of Agriculture:

Grant Program: Distance Learning and Telemedicine Grants

Agency: Department of Agriculture RUS-20-02-DLT

Website: <https://www.rd.usda.gov/programs-services/distance-learning-telemedicine-grants>

Brief Description: Authorized by 7 U.S.C. 950aaa, the DLT Program provides financial assistance to enable and improve distance learning and telemedicine services in rural areas. DLT grant funds support the use of telecommunications-enabled information, audio and video equipment, and related advanced technologies by students, teachers, medical professionals, and rural residents. These grants are intended to increase rural access to education, training, and health care resources that are otherwise unavailable or limited in scope.

Awards: Approximately \$25 million, in addition to any available funds not awarded from Window 1, is available for funding opportunities under this FOA.

Proposal Deadline: July 13, 2020

Contact Information: dltinfo@usda.gov; (202) 720-0800

Grant Program: Biotechnology Risk Assessment Grants Program

Agency: Department of Agriculture USDA-NIFA-BRAP-007072

Website: <https://nifa.usda.gov/funding-opportunity/biotechnology-risk-assessment-research-grants-program-brag>

Brief Description: The purpose of the BRAG program is to support the generation of new information that will assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically engineered organisms (GE), including plants, microorganisms — such as fungi, bacteria, and viruses — arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. The BRAG program accomplishes its purpose by providing federal regulatory agencies with scientific information relevant to regulatory issues. See the Request for Applications (RFA) for details. [View the Centers of Excellence \(COE\) webpage](#) to access a factsheet on the COE designation process, including COE criteria, and a list of programs offering COE opportunities.

Awards: Up to \$500,000; Anticipated available funding: \$4,500,000

Proposal Deadline: Mar 18, 2020 FY 2020: March 18, 2020 FY 2021: February 24, 2021 Letter of Intent Deadline: February 12, 2020; January 21, 2021 Note: Letter of Intent encouraged but not required

Contact Information: Dr. Lakshmi Matukumalli lakshmi.matukumalli@usda.gov (816)-926-1189

Grant Program: REAP-Renewable Energy Systems and Energy Efficiency Improvements

Agency: Department of Agriculture RDBCP-11-REAP-RES-EEI-2020

Website: <https://www.govinfo.gov/content/pkg/FR-2019-08-30/pdf/2019-18825.pdf>

Brief Description: Eligible applicants are agricultural producers and rural small businesses. All agricultural producers, including farmers and ranchers, who gain 50% or more of their gross income from the agricultural operations are eligible. Small businesses that are located in a rural area can also apply. Rural electric cooperatives may also be eligible to apply. Additional Information on Eligibility: Citizenship - To be eligible, applicants must be individuals or entities at least 51 percent owned by persons who are either: 1) citizens of the United States (U.S.), the Republic of Palau, the Federated States of Micronesia, the Republic of the Marshall Islands, or American Samoa; or 2) legally admitted permanent residents residing in the U.S. Project - The project must be to conduct a feasibility study for a

renewable energy system. Eligible technologies include: projects that produce energy from wind, solar, biomass, geothermal, hydro power and hydrogen-based sources.

Awards: Up to \$500,000; Anticipated Funding: \$70 million

Submission Deadline: September 30, 2020

Contact: Technical Contact: Maureen Hessel, Energy Specialist, Phone 202-401-0142

[Back to Contents](#)

Department of Labor

Grant Program: Supply Chains Tracing Project

Agency: Department of Labor NOI-ILAB-20-04

Website: [NOI-ILAB-20-04](#):

Brief Description: The project will aim to achieve the following three outputs: (1) increased number of tested supply chain tracing methodologies; (2) increased number of piloted tools for supply chain tracing; and (3) increased dissemination of supply chain tracing tools and methodologies to a broad range of stakeholders. The Employment and Training Administration (ETA)'s Office of Grants Management anticipates publishing a Funding Opportunity Announcement (FOA) around July 20, 2020, and intends to make awards by November 30, 2020 (these dates are subject to change). Please refer to: <http://www.dol.gov/ilab/grants/> and <https://www.dol.gov/agencies/ilab/resources/grants> for general guidelines and examples of previous cooperative agreement applications. This notice does not include an FOA or any attachments. It only constitutes a notice of USDOL's intent to publish an FOA at a later date. Interested applicants are encouraged to monitor www.grants.gov for the FOA because, if an FOA is published, [grants.gov](http://www.grants.gov) is the method by which the FOA will be made available to the public. No email or paper copies of any FOA will be provided.

Awards: Up to \$4,000,000; Estimated Total Program Funding: \$8,000,000

Proposal Deadline: This is a Notice of Intent. An announcement is not related to this notice. We are not accepting applications at this time.

Contact Information: Sue Levenstein, Grants Management Specialist. levenstein.susan.l@dol.gov

[Back to Contents](#)

EPA

Grant Program: Early Career: Assessment Tools for Biotechnology Products

Assessment Tools for Biotechnology Products (EPA-G2020-STAR-C1)

Agency: Environmental Protection Agency EPA-G2020-STAR-C2

Website: <https://www.epa.gov/research-grants/assessment-tools-biotechnology-products>

Brief Description: The United States Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research to support the development of improved science-based human health and environmental risk assessments of new biotechnology products, including those developed through synthetic biology, genome editing, and metabolic engineering.

The Science to Achieve Results (STAR) Program's goal is to stimulate and support scientific and engineering research that advances EPA's mission to protect human health and the environment. It is a competitive, peer-reviewed, extramural research program that provides access to the nation's best

scientists and engineers in academic and other nonprofit research institutions. STAR funds research on the environmental and public health effects of air quality, environmental changes, water quality and quantity, hazardous waste, toxic substances, and pesticides. In addition to regular awards, this solicitation includes the opportunity for early career awards. The purpose of the early career award is to fund research projects smaller in scope and budget by early career PIs.

Award: Estimated Number of Awards: Approximately 7 awards, 4 regular and 3 early career awards

Anticipated Funding Amount: Approximately \$4.4 million total for all awards **Potential Funding per Award:** Up to a total of \$760,000 for regular awards, and up to a total of \$453,333 for early career awards, including direct and indirect costs, with a maximum duration of 3 years.

Submission Deadline: Solicitation Closing Date: July 15, 2020:11:59:59 pm Eastern Time

Contact: Technical Contact: Barbara Klieforth; phone: 202-564-7723; email: klieforth.barbara@epa.gov

[Back to Contents](#)

Department of Energy

Grant Program: Research and Development for Advanced Water Resource Recovery Systems

Agency: Department of Energy DE-FOA-0002336

Website: <https://eere-exchange.energy.gov/#FoaIdfa6e43fc-9abe-4c4f-867b-224e5fb1d6bb>

Brief Description: Energy is often the second-highest operating cost (behind labor costs) for water and wastewater treatment systems. Black & Veatch's client surveys indicate that energy costs at water and wastewater utilities account for well over 10% of total operating costs for a large majority of utilities, with a significant number of utilities having energy costs that exceed 30 percent. Increasingly stringent regulations for contaminants are pushing water and wastewater treatment systems to use even more advanced – and energy intensive – treatment technologies. The energy use of these systems is expected to increase by up to 20 percent in the coming decades due to more stringent water quality standards and growing water demand based on population growth. Additionally, water and wastewater treatment facilities, pipes, and related infrastructure in cities around the country are approaching their end of expected service life. Therefore, a unique window of opportunity exists to replace the aging infrastructure with new, innovative approaches to water and wastewater treatment, resource recovery, and water reuse by looking more broadly at interconnected, cross-sector opportunities (i.e. municipal, industrial, agriculture, oil and gas, etc.) across the energy-water nexus to develop water and wastewater treatment systems of the future – advanced water resource recovery systems. The goal of this Funding Opportunity Announcement (FOA) is to conduct research, development, and deployment on technology innovations that enable advanced water resource recovery systems. Topic Area 1 of this FOA seeks to advance the development of transformative technologies beyond early stage research and development (R&D) to become pilot ready (TRL 4-6). Whereas, Topic Area 2 of this FOA seeks to test currently developed, pilot ready technologies (TRL 6-7) through design, build, and operations in industrially relevant conditions to enable commercialization.

Awards: Estimated Total Program Funding: \$20,000,000

Letter of Intent: Concept Paper Submission Deadline: 8/4/2020 5:00 PM ET

Submission Deadline: Full Application Submission Deadline: 10/6/2020 5:00 PM ET

Contact: Questions regarding the FOA must be submitted to AMOWaterFOA@ee.doe.gov

Grant Program: Small-Scale Solid Oxide Fuel Cell Systems and Hybrid Electrolyzer Technology Development

Agency: Department of Energy Office of Science DE-FOA-0002300

Website: https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Brief Description: This FOA will solicit applications for multiple areas of interest and will correspond to research outlined in the Department's August 2019 Report on the Status of the Solid Oxide Fuel Cell Program” (<https://www.energy.gov/fe/report-congress-status-solid-oxide-fuel-cell-program>), to Congress and could include, but are not limited to the following:

- * Small-scale (nominally 5-25 kWe) distributed generation SOFC systems.
- * Hydrogen production from Solid State Electrolyzer Cell (SOEC) systems and reversible SOFC systems including improving and validating the materials and systems required for the improving the cost, performance and reliability of systems using natural gas or coal-derived syngas as fuel.
- * Cleaning of coal-derived syngas for use as SOFC fuel and testing of single and multiple cells on syngas.

Awards: Estimated Total Program Funding: \$30,000,000

Letter of Intent: Required by June 26, 2020

Submission Deadline: July 27, 2020 at 3:00PM ET.

Contact: Ryan Miller, Grantor, Phone 202-287-1487 ryan.miller@hq.doe.gov

Grant Program: FY20 Advanced Manufacturing Office Multi-Topic FOA

Agency: Department of Energy Office of Science DE-FOA-0002252

Website: <https://eere-exchange.energy.gov/#FoaId96fd81da-41e6-4d21-b5b9-06252b707825>

Brief Description: AMO supports innovative, advanced-manufacturing applied research and development (R&D) projects that focus on specific, high-impact manufacturing technology and process challenges. AMO invests in foundational, energy-related, advanced-manufacturing processes (where energy costs are a determinant of competitive manufacturing) and broadly applicable platform technologies (the enabling base upon which other systems and applications can be developed). The competitively selected projects from this FOA will focus on developing next-generation manufacturing material, information, and process technologies that improve energy efficiency in energy-intensive and energy-dependent processes, and facilitate the transition of emerging, cost-competitive energy technologies to domestic production.

Awards: Estimated Total Program Funding: \$67,000,000

Letter of Intent: Concept Paper Submission Deadline: 6/25/2020 5:00 PM ET

Submission Deadline: Full Application Submission Deadline: 8/26/2020 5:00 PM ET

Contact: <https://eere-exchange.energy.gov>

[Back to Contents](#)

NASA

Grant Program: ROSES 2020: Science Team for the OCO Missions

Agency: NASA NNH20ZDA001N-OCOST

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?sollId=%7B7B9745C4-04AD-74F8-59B7-3CF0C8EF15E3%7D&path=&method=init>

Brief Description: Proposals are solicited for participation in the Science Team for the Orbiting Carbon Observatory-2 (OCO-2) and Orbiting Carbon Observatory-3 (OCO-3) missions. NASA launched the OCO-2 mission in July 2014. OCO-2 has been operating on orbit, producing precise column average CO₂

concentration data globally with validated precision and accuracy of better than 0.25% , since September 2014. The OCO-3 mission, with a near-replica instrument to OCO-2, has been operating on the International Space Station (ISS) since June of 2019 and is now returning data with similar precisions as OCO-2. The primary differences in the data sets are the spatial and temporal sampling as a result of the different orbits of the observations (especially inclination) and the available observational modes of the instruments.

Awards: Funding anticipated: \$3,500,000

Notice of Intent: November 13, 2020

Proposal Deadline: January 13, 2021

Contact: Kenneth W. Jucks, Earth Science Division, Science Mission Directorate, NASA Headquarters Washington, DC 20546-0001 Telephone: 202-358-0476 Email: kenneth.w.jucks@nasa.gov

Grant Program: ROSES 2020: SAGE III/ ISS Science Team

Agency: NASA NNH20ZDA001N-SAGEIII

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BABC8F050-A310-7184-B919-6220765BAF10%7D&path=&method=init>

Brief Description: NASA's research for furthering our understanding of atmospheric composition is geared toward providing an improved prognostic capability for key processes and issues, including the recovery of stratospheric ozone and its impacts on surface ultraviolet radiation, evolution of greenhouse gases and their impacts on climate, and evolution of tropospheric ozone and aerosols and their impacts on climate and air quality. Research within the Atmospheric Composition Focus Area addresses the following science questions: • How is atmospheric composition changing? • What trends in atmospheric composition and solar radiation are driving global climate? • How does atmospheric composition respond to and affect global environmental change? • What are the effects of global atmospheric composition and climate changes on regional air quality? • How will future changes in atmospheric composition affect ozone, climate, and global air quality?

Awards: Funding anticipated: \$1,500,000

Notice of Intent: September 18, 2020

Proposal Deadline: November 6, 2020

Contact: Richard S. Eckman, Earth Science Division, Science Mission Directorate, NASA Headquarters Washington, DC 20546-0001, Telephone: 202-358-2567 Email: Richard.S.Eckman@nasa.gov

Grant Program: ROSES 2020: Solar Irradiance Science Team

Agency: NASA NNH20ZDA001N-SIST

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BEA2EEB7D-1C46-7EA9-747F-B833E9BDA8E5%7D&path=&method=init>

Brief Description: Solar irradiance represents the primary external forcing operating on the Earth and contributes to variability and change in the Earth's climate and atmospheric composition. Solar irradiance can only be measured above the atmosphere given the significant absorption that takes place within the atmosphere. The Earth system is sensitive to variations in the Total Solar Irradiance (TSI) and to the spectral dependence of any variation, given that different wavelengths experience the most absorption at different altitudes in the atmosphere. Variations in TSI are quite small—the typical variation over the 11-year solar cycle is on the order of 0.1%. Variations in the solar irradiance as a function of wavelength—or Spectral Solar Irradiance (SSI)—increase with decreasing wavelength, by a few percent at the short-wavelength ultraviolet radiation responsible for photodissociation of oxygen and a factor of order unity at wavelengths near Lyman Alpha (121.6 nm).

Awards: Funding anticipated: \$1,000,000

Notice of Intent: August 7, 2020

Proposal Deadline: September 11, 2020

Contact: David B. Considine Earth Science Division Science Mission Directorate NASA Headquarters
Washington, DC 20546-0001 Telephone: 202-358-2277 Email: david.b.considine@nasa.gov

Grant Program: NASA Innovative Advanced Concepts (NIAC) Phase I

Agency: NASA 80HQTR20NOA01-21NIAC-A1

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7B9BC1CCC6-3CB9-30BA-8C21-0B88402F4A2A%7D&path=&method=init>

Brief Description: The NIAC Program focuses on early stage feasibility studies of visionary concepts that address national government and commercial aerospace goals. Concepts are solicited from any field of study that offers a radically different approach or disruptive innovation that may significantly enhance or enable new human or robotic science and exploration missions. Proposed concepts must be framed in terms of a mission context that clearly identifies scientific or technical advancements and associated benefits compared to current approaches. Comparatively high risk and far term, NIAC concepts are transformational investments in future NASA and commercial space capabilities. The entry Technology Readiness Level (TRL) for Phase I concepts should be TRL 2 or lower. Proposed concepts must identify credible approaches toward new scientific or technical innovations that advance NASA's strategic themes to Discover, Explore, Develop, and Enable, as outlined in the 2018 NASA Strategic Plan. Advancements are sought across the broad spectrum of disciplines that support the goals and objectives encompassed by these themes, including nontraditional areas such as biophysics, life sciences, human factors engineering, artificial intelligence, resource sustainability, and other topics that may inspire innovative approaches to meet future exploration needs.

Awards: Expected Award Amount: Not to exceed \$125K Expected Number of Awards: 12-16

Proposal Deadline: Step-A Proposals Due: July 22, 2020 (5:00 pm Eastern)

Step B Invitations Issued: August 25, 2020 (Target) Step B Proposal Due: September 29, 2020 (Target), 5:00pm ET

Contact: Jason Derleth, NIAC Program Executive, Space Technology Mission Directorate, NASA Headquarters hq-niac@mail.nasa.gov

Grant Program: ROSES 2020: The New (Early Career) Investigator Program in Earth Science

Agency: NASA NNH20ZDA001N-NIP

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BB05DE781-3B1F-E548-F61A-BB14F66A2FAE%7D&path=&method=init>

Brief Description: The New (Early Career) Investigator Program (NIP) in Earth science is designed to support outstanding scientific research and career development of scientists and engineers at the early stage of their professional careers. The program welcomes innovative research initiatives and seeks to cultivate diverse scientific leadership in Earth system science. The Earth Science Division (ESD) places particular emphasis on the investigators' ability to promote and increase the use of space-based remote sensing through the proposed research. Proposals with objectives connected to needs identified in most recent Decadal Survey Thriving on our Changing Planet: A Decadal Strategy for Earth Observation from Space are welcomed.

The NIP supports all aspects of scientific and technological research aimed to advance NASA's mission in Earth system science (See the NASA Science Plan <http://science.nasa.gov/about-us/science-strategy/>).

Awards: Various; Available funding: \$3,000,000

Proposal Deadline: September 20, 2021

Contact: Allison Leidner Earth Science Division Science Mission Directorate NASA Headquarters
Washington, DC 20546-0001 Telephone: 202.358.0855 Email: Allison.K.Leidner@nasa.gov

Grant Program: ROSES 2020: Space Weather Science Application Operations-to-Research

Agency: NASA NNH20ZDA001N-SWO2R

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7B2FF5915D-4700-7B3B-43F1-0094ED1BE130%7D&path=&method=init>

Brief Description: The primary goal of the Space Weather Science Application Operations-to-Research (SWO2R) program is to support research to improve numerical models and/or data utilization techniques that could advance specification and/or forecasting capabilities and which could also lead to improved scientific understanding.

The primary goal of this solicitation is to support research to improve numerical models and/or data utilization techniques that could advance forecasting and/or specification capabilities and which could also lead to improved scientific understanding. Effective utilization of available data is encouraged. Employing advanced techniques for data assimilation, ensemble, and/or machine-learning is also encouraged. Improved neutral density specification and forecast capabilities could include, for example, effects of forcing from below, effects of variations in solar EUV flux, effects of heating from particle precipitation and joule dissipation, assimilation of satellite drag data, and regional variations in density. Improved neutral density specification and forecasts can support numerous applications, including satellite drag and orbit propagation, meeting Orbital Debris Mitigation Standard Practices (ODMSP), and planning satellite megaconstellation operations. Improved forecasting and specification of the ionosphere could include the dynamics of total electron content, ionospheric scintillation, and electron density structure.

Awards: Various; Available funding: \$2,000.000

Step 1 Proposal: December 16, 2020

Step 2 Proposal Deadline: February 17, 2021

Contact: James Spann Heliophysics Division Science Mission Directorate NASA Headquarters
Washington, DC 20546-0001 Telephone: 202-358-0574 Email: jim.spann@nasa.gov

[Back to Contents](#)

National Endowment of Humanities

Grant Program: Media Projects

Agency: National Endowment for the Humanities 20200812-TD-TR

Website: <https://www.neh.gov/program/media-projects>

Brief Description: The Media Projects program supports the development, production, and distribution of radio, podcast, television, and long-form documentary film projects that engage general audiences with humanities ideas in creative and appealing ways. All projects must be grounded in humanities scholarship and demonstrate an approach that is thoughtful, balanced, and analytical. The approach to the subject matter must go beyond the mere presentation of factual information to explore its larger significance and stimulate reflection. Media Projects offers two levels of funding: Development and Production.

Awards: Maximum award amount: \$75,000 for Development, \$700,000 for Production, \$1,000,000 for Chairman's Special Awards

Proposal Deadline: August 12, 2020

Contact: Contact the Division of Public Programs Team 202-606-8269 publicpgms@neh.gov

Grant Program: Humanities Initiatives

Agency: National Endowment for the Humanities 0200716-AA-AB-AC-AD-AE

Website: <https://www.neh.gov/program/humanities-initiatives-colleges-and-universities>

Brief Description: Humanities Initiatives at Colleges and Universities strengthen the teaching and study of the humanities at institutions of higher education by developing new humanities programs, resources (including those in digital format), or courses, or by enhancing existing ones.

Projects must be organized around a core topic or set of themes drawn from such areas of study in the humanities as history, philosophy, religion, literature, and composition and writing skills.

NEH welcomes applications for projects that are modest in scope, duration, and budget, as well as applications for expansive, long-term projects.

Awards: Maximum award: \$150,000 Available funding: \$3,000,000

Deadlines:

Optional Draft due: June 18, 2020

Application due: July 16, 2020

Contact: Contact the Division of Education Programs Team hi@neh.gov

Grant Program: Public Humanities Projects

Agency: National Endowment for the Humanities

Website: <https://www.neh.gov/grants/public/public-humanities-projects>

Brief Description: The program supports projects in three categories: **Exhibitions** (permanent, temporary, or traveling); interpretive programs at **Historic Places**; and **Humanities Discussions** related to [“A More Perfect Union”: NEH Special Initiative Advancing Civic Education and Commemorating the Nation’s 250th Anniversary](#). The period of performance for Planning proposals is up to 24 months. The period of performance for Implementation proposals is up to 48 months. If you are applying for the Implementation funding level, you may now request an additional \$100,000 to create a two-year staff full-time position during a four-year period of performance (or \$50,000 for a one-year period of performance, and a one-year full-time staff position) to work on the proposed project.

Awards: Maximum award amount: Planning: \$75,000; Implementation: \$400,000 (+additional \$100,000)

Deadlines:

Optional Draft due: June 18, 2020

Application due: July 16, 2020

Contact: Contact the Division of Public Programs Team 202-606-8269 publicpgms@neh.gov

[Back to Contents](#)

Private Foundations

William T. Grant Foundation

Grant Program: Scholars Program

Agency: William T. Grant Foundation

Website: <http://wtgrantfoundation.org/grants>

Brief Description: *Institutional Challenge Grant:* The Institutional Challenge Grant encourages research institutions to build sustained research-practice partnerships with public agencies or nonprofit organizations in order to reduce inequality in youth outcomes. Applications are welcome from partnerships in youth-serving areas such as education, justice, child welfare, mental health, immigration, and workforce development.

Improving the Use of Research Evidence: Over the past decade, a growing body of research has illuminated the conditions that facilitate the use of research evidence in policy and practice. For example, studies find that when research is relevant to decision makers, deliberated over thoughtfully, and embedded in policymaking processes, routines, and tools, the findings are more likely to be used. Still, there remain many unanswered questions that are critical to understanding how to improve the production and use of research evidence. What's more, there is a scarcity of evidence supporting the notion that research use in policy and practice will necessarily improve youth outcomes. Serious scientific inquiry is needed. We need to know the conditions under which using research evidence improves decision making, policy implementation, service delivery, and, ultimately, youth outcomes. In short, we need research on the use of research.

Awards: Various; Major research grants on improving the use of research evidence range between \$100,000 and \$1,000,000 and cover two to four years of support.

Proposal Deadline: Institutional Challenge Grant: September 10, 2020; 3.00 PM EST; Improving the Use of Research Evidence: August 4, 2020 deadlines.

Contact: If interested, please send an email to Atam Dhawan (dhawan@njit.edu) or Richard Rosenberg at rmr@njit.edu

Mozilla

Grant Program: Mozilla Open Source Support (MOSS) Awards

Agency: Mozilla

Website: <https://www.mozilla.org/en-US/moss/>

Brief Description: Mozilla was born out of and remains part of the open source and free software movement. Through the Mozilla Open Source Support (MOSS) awards program, we recognize, celebrate, and support open source projects that contribute to Mozilla's work and to the health of the Internet. MOSS awards are available in the following tracks: Foundational Technology; Global Mission Partners; Secure Open Source Fund.

Track I: Foundational Technology

The Foundational Technology track supports open source projects that Mozilla relies on, either as an embedded part of our products or as part of our everyday work.

Tracks II & IV: Global Mission Partners

The Mission Partners track supports open source projects that significantly advance Mozilla's mission.

Track III: Secure Open Source Fund

The Secure Open Source ("SOS") track supports security audits for widely used open source software projects as well as the remedial work needed to rectify the problems found.

Proposal Deadline: MOSS applications are accepted on a rolling basis and are reviewed monthly.

Contact: If interested, please contact Atam Dhawan (dhawan@njit.edu) or Richard Rosenberg at rmr@njit.edu

[Back to Contents](#)

Streamlyne Question of the Week

Question: How can I add another investigator or my research ambassador to my proposal in order to help on budget preparation and edit proposal details?

Answer: Select the “Permissions” link from the left hand side of the main proposal screen in any proposal development document. From the Permissions screen you will be able to search for the person you wish to add and grant them a specific level of permission (aggregator, budget creator, viewer). After you select the appropriate person, click “Add” and they will be added to your proposal.

More FAQs on Streamlyne: Please visit <https://research.njit.edu/streamlyne>

[Back to Contents](#)

Proposal Submission and Streamlyne Information Internal Timeline for Successful and Timely Proposal Submission

Due to the COVID-19 outbreak, PIs are strongly advised to prepare proposals well in advance of agency deadlines. Every effort will be made to meet agency deadlines following the NJIT Research Continuity Plan (<https://research.njit.edu/njit-research-continuity-plan>).

The NJIT Proposal Submission Guidelines and Policy posted on the website <https://research.njit.edu/proposal-submission-guidelines> provides the expected institutional timeline for proposal submission. Streamlyne User Manuals are posted on <https://research.njit.edu/streamlyne>. For contact information on proposal submission, pre-award services and post-award grant management, please visit research website <https://research.njit.edu/researchers> and <https://research.njit.edu/contact>.

[Back to Contents](#)
