

# NJIT Research Newsletter

Issue: ORN-2020-24

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**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>.

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## Special Announcements

### **Ramp Up Phase-1, Phase-2 and Phase-3 Research Continuity and Recovery Plan**

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

For ramping up the phased research continuity and recovery operations, the following guidelines and protocols should be adopted for restoring research activities. The following protocols are subject to change based on the guidance and regulations from the federal, state, and local government agencies.

**Phase-1:** The institutionally approved Phase-1 research operations should continue with the required social distancing and safety protocols. As the phased research recovery plans ramp up carefully with a gradual and safe start of laboratory research activities, there will be an overlap of Phase-1 research

recovery operations transitioning into the institutional Phase-2 operations. The current Phase-1 research recovery period is recommended until June 30, 2020 subject to the availability of appropriate PPE to enforce required safety protocols. The requested PPE supplies for Phase-1 operations have been ordered through the university but there may be delays in receiving the requested supplies depending on the availability in the market. Research labs are responsible for purchasing appropriate PPE supplies from their own funds in subsequent phases of research operations.

**Phase-2:** Each department should prepare a ramp up Phase-2 Research Continuity and Recovery (Phase-2 RCR) plan. The Phase-2 RCR plan should be approved by the college dean and then forwarded to the Office of Research for institutional approvals. As Phase-2 recovery would ramp up research activities to most funded research operations, the approvals to additional laboratory research operations would be approved by the department chair following the Phase-2 RCR plan subject to the availability of appropriate PPE to enforce required social distancing and safety protocols (consistent with federal, state and local guidelines).

**Phase-3:** Each department should prepare a ramp up Phase-3 Research Continuity and Recovery (Phase-3 RCR) plan. The Phase-3 RCR plan should be approved by the college dean and then forwarded to the Office of Research for institutional approvals. As Phase-3 recovery would ramp up research activities to most funded and unfunded research operations, the approvals to additional laboratory research operations would be approved by the department chair following the Phase-3 RCR plan subject to the availability of appropriate PPE to enforce required social distancing and safety protocols (consistent with federal, state and local guidelines).

Templates for recommended Phase-2 Research Operation (PRO-2) approval form, and departmental Phase-2 and Phase-3 Research Continuity and Receiver (RCR) plans are posted on the research website <https://research.njit.edu/njit-pandemic-recovery-plan>. Please note that the period and dates for each phase is subject to change based on the federal, state and local regulations and guidelines.

- [Template NJIT Phase-2 Research Operation Approval Request Form](#)
- [Template Phase-2 Department Research Operation Plan](#)
- [Phased Research Recovery Plan PPT Diagram V1 06-11-2020](#)

The guidelines on implementation of Phase-1 and Phase-2 research recovery plans are posted on the website <https://research.njit.edu/njit-pandemic-recovery-plan>.

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### **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:** Emergency Awards: RADx-UP Coordination and Data Collection Center (CDCC) (U24); Enhancing Science, Technology, EnginEering, and Math Educational Diversity (ESTEEMED) Research Education Experiences (R25); NIH Director's Emergency Transformative Research Awards (R01); NIH

Director's Emergency Early Independence Awards (DP5); NIH Director's New Innovator Award Program (DP2); NIH Director's Pioneer Award Program (DP1)

**Department of Defense/US Army/DARPA/ONR: 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: UTC PROGRAM TIER 1 COMPETITION 2020**

**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: Small-Scale Solid Oxide Fuel Cell Systems and Hybrid Electrolyzer Technology Development;** Advanced Manufacturing Office Multi-Topic FOA; Next-Generation Technologies and Field Validation

**NASA: ROSES 2020: 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**

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### **Recent Research Grant and Contract Awards**

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

**PI:** Hai Phan (PI)

**Department:** Informatics

**Grant/Contract Project Title:** SaTC: Core: Small: Collaborative: When Adversarial Learning Meets Differential Privacy: Theoretical Foundation and Applications

**Funding Agency:** NSF

**Duration:** 07/01/20-06/30/23

**PI:** Hieu Nguyen (PI)

**Department:** Electrical and Computer Engineering

**Grant/Contract Project Title:** ICORPS: Smart Light-Emitting Diodes for Micro-Displays

**Funding Agency:** NSF

**Duration:** 06/15/20-11/30/20

**PI:** Sergei Adamovich (PI)

**Department:** Center for Rehabilitation Robotics

**Grant/Contract Project Title:** Optimizing Hand Rehabilitation Post-Stroke Using Interactive Virtual Environments

**Funding Agency:** NIH

**Duration:** 06/01/17-05/31/22

**PI:** Wen Zhen (PI)

**Department:** Civil and Environmental Engineering

**Grant/Contract Project Title:** Reactive Nanobubbles for HAB & Cyanotoxin Removal

**Funding Agency:** U.S. Environmental Protection Agency

**Duration:** 07/01/20-06/30/22

**PI:** Pramod Abichandani (PI) and Prateek Shekhar (Co-PI)

**Department:** Engineering Technology

**Grant/Contract Project Title:** Internet of Things Pedagogical Ecosystem for Integrated Computer Science and Software Engineering Education for Grades 9-12

**Funding Agency:** NSF

**Duration:** 07/01/20-06/30/23

**PI:** Haimin Wang (PI), Jason Wang (Co-PI), Gelu Nita (Co-PI), Vincent Oria (Co-PI) and Alexander Kosovichev (Co-PI)

**Department:** Center for Solar Terrestrial Research

**Grant/Contract Project Title:** EarthCube Data Capabilities: Machine Learning Enhanced Cyberinfrastructure for Understanding and Predicting the Onset of Solar Eruptions (Supplement)

**Funding Agency:** NSF

**Duration:** 09/01/19-08/31/22

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## **In the News...**

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

**“Safeguarding American Innovation Act” Bill Introduced:** Sen. Rob Portman (R-Ohio) introduced the bipartisan [Safeguarding American Innovation Act](#) with co-sponsor Sen. Tom Carper (D-Del.) and 13 others. The measure makes failure to disclose "any outside compensation" on federal grant applications a crime, punishable by up to five years in prison. A multi-agency Federal Research Security Council, run by the Office of Management and Budget, would streamline and coordinate grant-making between the federal agencies. The bill allows the State Department to deny visas to foreign researchers "who we know are seeking to steal research and IP by exploiting exemptions in our export control laws," Portman says. It also "requires research institutions and universities to provide the State Department basic information about the sensitive technologies that a foreign researcher will have access to," and lets the Department of Education fine universities that repeatedly fail to disclose foreign gifts. The Bill specifically describes:

“(b) PROHIBITION.—It shall be unlawful for any individual to knowingly

- (1) prepare or submit a Federal grant application that fails to disclose the receipt of any outside compensation, including foreign compensation, by the individual;
- (2) forge, counterfeit, or otherwise falsify a document for the purpose of obtaining a Federal grant; or
- (3) prepare, submit, or assist in the preparation or submission of a Federal grant application or document in connection with a Federal grant application that
  - (A) contains a false statement
  - (B) contains a material misrepresentation;

- (C) has no basis in law or fact; or
- (D) fails to disclose a material fact.

Portman has also introduced, with Sen. Martin Heinrich (D-N.M.), the Artificial Intelligence for the Armed Forces Act, which "would change how the Pentagon recruits and retains top cybersecurity and AI talent," [Defense One reports](#). Heinrich provides [a link to the bill](#) from his website. "As advances are made in artificial intelligence - and as foreign adversaries threaten ethical, safety, and privacy standards – there is a clear need to ensure the Department of Defense has the leadership and workforce needed to excel in AI," said Heinrich. "We must make sure DoD is using the tools at their disposal to recruit the next generation of AI professionals and give them the authority they need to hire experts in the field. I am proud to join Senator Portman in this bipartisan effort to enhance DoD's AI capabilities and I will keep working to develop smart, responsible policies that keep our nation at the forefront of critical artificial intelligence innovations."

**Making the Invisible Visible:** This will be a cross-cutting theme of three future reports from the National Science Foundation's Committee on Equal Opportunities in Science and Engineering, a congressionally mandated advisory body. Lewis-Burke Associates, which attended a recent CEOSE meeting, reports: "The committee hopes to address the problems of minorities not being seen as leaders when they are present and making their absence felt when they are not." The first report in the trilogy--on diversity in leadership--is likely to offer recommendations for supporting potential leaders among minority early-career faculty. CEOSE also wants to use the report to advocate for more sponsorships between researchers at R1 institutions and early-career faculty at minority-serving Institutions.

**Senate Armed Services Committee's FY 2021 Defense Authorization Bill:** The Senate Armed Services Committee's FY 2021 defense authorization bill seeks to strengthen Defense Department efforts in emerging technologies including by requiring: an assessment of U.S. efforts to develop biotechnologies compared to our adversaries; development of artificial intelligence use-cases for reform efforts; enhancements to the quantum information science research and development program; and a demonstration of innovative 5G commercial technologies. The National Defense Authorization Act (NDAA) supports a total of \$740.5 billion in fiscal year 2021 funding for national defense, in line with the Bipartisan Budget Act of 2019. Within this total, the legislation authorizes a base defense budget of \$636.4 billion for the Department of Defense and \$25.9 billion for national security programs within the Department of Energy. The NDAA also "safeguards proprietary technology, intellectual property, and other defense-sensitive data from being infiltrated by the government of China." See the committee's [press release](#).

**Infrastructure Draft Expands Research:** Rep. Peter DeFazio (D-Ore.) has released the draft text of the Investing in a New Vision for the Environment and Surface Transportation in America Act (INVEST Act). Lewis-Burked Associates reports that the bill "would authorize and fund existing and new surface transportation programs at the U.S. Department of Transportation (DOT) for fiscal years (FY) 2022 through FY 2025," an increased University Transportation Centers (UTC) program, a new "unsolicited research initiative," and "other new programs focused on emerging transportation technologies and their deployment." See [L-B's analysis of the measure here](#).

**Intelligence Advanced Research Projects Activity (IARPA) COVID-19 Founding Program:** The Intelligence Advanced Research Projects Activity (IARPA) invests in high-risk/high-payoff 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.

More information is available on this [website](#).

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## Webinar and Events

### **Event: Webinar: Research on Research Integrity Funding Opportunity Announcement**

**Sponsor:** NIH

**When:** June 22, 2020 1.00 PM

**Website:** [Registration Website](#)

**Brief Description:** Technical Assistance Webinar: Research on Research Integrity Funding Opportunity Announcement (IR-ORI-20-001)

**To Join the Webinar:** Register at above URL.

### **Event: Webinar: EHR Core Research Program**

**Sponsor:** NSF

**When:** June 25, 2020 3.00 PM – 4.00 PM

July 2, 2020 3.00 PM – 4.00 PM

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>

**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: Conferences on Research Integrity Funding Opportunity Announcement**

**Sponsor:** NIH

**When:** June 25, 2020 1.00 PM

**Website:** [Registration Website](#)

**Brief Description:** Technical Assistance Webinar: Conferences on Research Integrity Funding Opportunity Announcement (IR-ORI-20-002)

**To Join the Webinar:** Register at above URL.

### **Event: Partnerships for Innovation Webinars**

**Sponsor:** NSF

**When:** June 25, 2020 2:00 PM – 3.00 PM; July 2, 2020 2:00 PM – 3.00 PM

**Website:** [https://www.nsf.gov/events/event\\_summ.jsp?cntn\\_id=300578&org=NSF](https://www.nsf.gov/events/event_summ.jsp?cntn_id=300578&org=NSF)

**Brief Description:** Are you interested in developing your NSF-funded research into a proof-of-concept or prototype? If you have received an NSF research grant or participated in the NSF's Innovation Corps (I-Corps) program, you may be eligible to apply for an [NSF Partnerships for Innovation \(PFI\)](#) grant.

PFI grants offers researchers from all disciplines of science and engineering funded by NSF the opportunity to perform translational research and technology development, catalyze partnerships, and accelerate the transition of discoveries from the laboratory to the marketplace for societal benefit.

Join an upcoming webinar for the opportunity to ask questions about the PFI program and what to expect for the proposal submission deadline of July 8, 2020.

**To Join the Webinar:** [Register for the June 11 webinar](#)

[Register for the June 25 webinar](#)

[Register for the July 2 webinar](#)

### **Event: DARPA Discover DSO Day (D3) Webinar**

**Sponsor: DARPA**

**When: June 24-25, 2020 2:00 PM - 3:00 PM EDT**

**Website:** [https://beta.sam.gov/opp/96bbedc9bf484da09118aa39a54a6ada/view?keywords=&sort=-modifiedDate&index=opp&is\\_active=true&page=1&organization\\_id=300000412](https://beta.sam.gov/opp/96bbedc9bf484da09118aa39a54a6ada/view?keywords=&sort=-modifiedDate&index=opp&is_active=true&page=1&organization_id=300000412)

**Brief Description:** The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is sponsoring the Discover DSO Day (D3) event to provide information to potential proposers on the objectives of the DSO Office-wide Broad Agency Announcement (BAA). The event will be held on Tuesday and Wednesday, June 24-25, 2020, via webinar. Advance registration is required for all individuals intending to view the webinar alone or as part of a group. Note, all times listed in this announcement and on the registration website are Eastern Time. The goals of this event are to: (1) familiarize participants with DSO's mission; (2) promote understanding of the anticipated Office-wide BAA; and (3) facilitate discussions with potential performers. DARPA anticipates releasing the DSO Office-wide BAA in June 2020. If released, the BAA will be available on the Contract Opportunities page at <https://beta.sam.gov/> and at <http://www.grants.gov/>. Following the event, presented materials may be posted to <http://www.darpa.mil/work-with-us/opportunities>.

**To Join the Webinar:** Please register at <http://events.sa-meetings.com/2020DiscoverDSODay>

Registration opens: Tuesday, May 4, 2020 at 12:00 PM • Registration closes: Tuesday, June 17, 2020 at 5:00 PM or when capacity is reached, whichever comes first.

### **Event: Webinar: Pre-Application Webinar for the RADx-UP Initiative**

**Sponsor: NIH NOT-OD-20-131**

**When: June 26, 2020 2.00 PM-4.00 PM**

**July 1, 2020 2.00 PM-4.00 PM**

**Website:** <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-131.html>

**Brief Description:** The National Institutes of Health (NIH) is encouraging research to test the implementation of COVID-19 diagnostic testing in underserved or vulnerable communities through the Rapid Acceleration of Diagnostics for Underserved Populations (RADx-UP) initiative.

NIH will hold two pre-application webinars covering the four RADx-UP funding opportunities: [NOT-OD-20-119](#), [NOT-OD-20-120](#), [NOT-OD-20-121](#), and [RFA-OD-20-013](#).

- Friday, June 26, 2020, from 2:00pm - 4:00pm EDT

This webinar will include an overview of the RADx-UP initiative, followed by presentations on each funding opportunity ([NOT-OD-20-119](#), [NOT-OD-20-120](#), [NOT-OD-20-121](#), and [RFA-OD-20-013](#)) with question and answer sessions for each. The webinar will conclude with a final, open question and answer session.

- Wednesday, July 1, 2020, from 3:00pm - 5:00pm EDT

This webinar will focus on questions for applications for the RADx-UP Coordinating and Data Collection Center in response to [RFA-OD-20-013](#). Questions related to the other three FOAs will also be addressed. Questions can also be pre-submitted at [RADxInfo@nih.gov](mailto:RADxInfo@nih.gov) by:

- 11:59 pm local time on Wednesday, June 24, 2020, for the June 26, 2020 webinar; and by

- 11:59 pm local time on Monday, June 29, 2020, for the July 1, 2020 webinar

Related Announcements

[NOT-OD-20-119](#) Notice of Special Interest (NOSI): Emergency Competitive Revisions for Social, Ethical, and Behavioral Implications (SEBI) Research on COVID-19 Testing among Underserved and/or Vulnerable Populations

[NOT-OD-20-120](#) Notice of Special Interest (NOSI): Emergency Competitive Revisions for Community-Engaged Research on COVID-19 Testing among Underserved and/or Vulnerable Populations

[NOT-OD-20-121](#) Notice of Special Interest (NOSI): Limited Competition for Emergency Competitive Revisions for Community-Engaged Research on COVID-19 Testing among Underserved and/or Vulnerable Populations

[RFA-OD-20-013](#) Emergency Awards: RADx-UP Coordination and Data Collection Center (CDCC) (U24 Clinical Trial Optional)

**To Join the Webinar:** Register and learn more about these webinars at <https://www.nih.gov/research-training/medical-research-initiatives/radx/events>

**Event: Webinar: TA Webinar: Research Integrity Program Development and Evaluation Funding Opportunity Announcement (IR-ORI-20--003)**

**Sponsor: NIH**

**When: June 29, 2020 1.00 PM**

**Website: [Registration Website](#)**

**Brief Description:** TA Webinar: Research Integrity Program Development and Evaluation Funding Opportunity Announcement (IR-ORI-20--003)

**To Join the Webinar:** Register at above URL

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## **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](mailto:jmeszaro@nsf.gov)

- Jason Averill, Chief, MSS Div, ENG Lab, NIST, telephone: (301)975-2585, email: [jason.averill@nist.gov](mailto: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](mailto:kblagoev@nsf.gov)

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

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

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### **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](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](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](mailto:cachim@nsf.gov)

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

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**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](mailto:mmishkin@nsf.gov)

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**National Institutes of Health****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](mailto:dorothy.castille@nih.gov)

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**Grant Program: Enhancing Science, Technology, Engineering, and Math Educational Diversity (ESTEEMED) Research Education Experiences (R25)**

**Agency: National Institutes of Health PAR-20-223**

**RFP Website:** <https://grants.nih.gov/grants/guide/pa-files/PA-20-223.html>

**Brief Description:** 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

To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on:

- *Courses for Skills Development*
- *Research Experiences*

for undergraduate freshmen and sophomores from diverse backgrounds, including those from groups underrepresented in bioengineering or STEM fields relevant to bioengineering, such as engineering or the physical/computational sciences, which play key roles in biomedical technologies and innovation. The ESTEEMED program is intended to expose students to bioengineering research early in their college careers and interest them in potentially pursuing advanced studies in bioengineering or a related field. It will prepare students to join, in their junior and senior years, an honors program, supported by federal or institutional funds, that promotes STEM and entrance into a Ph.D. program. The ultimate goal is for the participants to pursue a Ph.D. or M.D./Ph.D. degree and a subsequent research career integrating engineering and the physical sciences with medicine and biology in academia or industry.

**Awards:** Application budgets are not limited but need to reflect the actual needs of the proposed project. Annual costs that may be requested are:

- 1) Up to a total of \$30,000 as summer or other salary for faculty members involved in the design, implementation and management of the program.
- 2) Up to a total of \$30,000 for non-faculty administrators who manage the day-to-day activities of the program; and
- 3) Up to \$5,000 towards the salary of (an) external evaluator(s)

**Letter of Intent:** May 22, 2020; May 24, 2021; May 24, 2022

**Proposal Submission Deadline:** July 24, 2020; June 24, 2021; June 24, 2022

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:** Zeynep Erim, Ph.D., National Institute of Biomedical Imaging and Bioengineering (NIBIB)

Telephone: (301) 451-4797 Email: [erimz@mail.nih.gov](mailto:erimz@mail.nih.gov)

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**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](mailto:Transformative_Awards@mail.nih.gov)

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**Grant Program: NIH Director's Emergency Early Independence Awards (DP5 Clinical Trial Optional)**

**Agency: National Institutes of Health RFA-RM-20-021**

**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-20-020 \[R01\]\(#\) NIH Director's Emergency Transformative Research Award](#)

**RFP Website:** <https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-20-021.html>

**Brief Description:** This FOA solicits applications responsive only to the COVID-19 public health emergency through support of the [CARES Act](#). All other Early Independence Award applications must be submitted in response to RFA-RM-20-014.

The [NIH Director's Early Independence Award](#) (a component of the [High-Risk, High-Reward Research program](#) of the [NIH Common Fund](#)) supports exceptional junior investigators who wish to pursue independent research soon after completion of their terminal doctoral degree or post-graduate clinical training, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. For the program to support the best possible researchers and research,

applications are sought which reflect the full diversity of the 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.

**Awards:** Awards will be for up to \$250,000 in direct costs per year.

**Letter of Intent:** August 4, 2020

**Proposal Submission Deadline:** September 4, 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:** Becky Miller, Ph.D., Office of the Director (OD) Telephone: 301-594-9979

Email: [earlyindependence@od.nih.gov](mailto:earlyindependence@od.nih.gov)

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### **Grant Program: NIH Director's New Innovator Award Program (DP2 Clinical Trial Optional)**

**Agency:** National Institutes of Health RFA-RM-20-012

**RFP Website:** <https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-20-012.html>

**Brief Description:** The [NIH Director's New Innovator Award](#) addresses two important goals: stimulating highly innovative research and supporting promising Early Stage Investigators. Early Stage Investigators may have exceptionally innovative research ideas, but not the preliminary data required to fare well in the traditional NIH peer review system. As part of NIH's commitment to increasing opportunities for Early Stage Investigators, it has created the NIH Director's New Innovator Award to support outstandingly creative Early Stage Investigators who propose highly innovative research projects with the potential for unusually high impact. This award complements ongoing efforts by the NIH and its Institutes and Centers to fund Early Stage Investigators through R01 grants and other mechanisms. The definition of Early Stage Investigator is provided [here](#).

**Awards:** Awards are multi-year funded with all funds disbursed in the first year of the award. Awards will be up to \$1,500,000 in direct costs (the equivalent of \$300,000 in Direct Costs each year for five years) plus applicable Facilities and Administrative (F&A) costs to be determined at the time of award.

**Letter of Intent:** Not Required

**Proposal Submission Deadline:** August 21, 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:** Ravi Basavappa, Ph.D., Office of the Director (OD), Telephone: 301-435-7204

Email: [Transformative\\_Awards@mail.nih.gov](mailto:Transformative_Awards@mail.nih.gov)

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### **Grant Program: NIH Director's Pioneer Award Program (DP1 Clinical Trial Optional)**

**Agency:** National Institutes of Health RFA-RM-20-011

**RFP Website:** <https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-20-011.html>

**Brief Description:** The [NIH Director's Pioneer Award](#) supports individual scientists of exceptional creativity who propose highly innovative and broadly impactful research towards the ultimate goal of enhancing human health.

In the Pioneer Award program, emphases are on the qualities of the investigator, the innovativeness, and potential impact of the proposed research. Preliminary data and detailed experimental plans are not requested. To be considered pioneering, the proposed research must reflect substantially different ideas from those being pursued in the investigator's current research program or elsewhere. The Pioneer Award is not intended to expand a current research program into the area of the proposed project. While the research direction may rely on the applicant's prior work and expertise as its foundation, it cannot be an obvious extension or scale-up of a current research enterprise. Rather, the proposed project must reflect a fundamental new insight which may involve exceptionally innovative approaches and/or radically unconventional hypotheses.

**Awards:** Awards will be for \$700,000 in direct costs per year, plus applicable Facilities and Administrative (F&A) costs.

**Letter of Intent:** Not Required

**Proposal Submission Deadline:** September 11, 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:** Ravi Basavappa, Ph.D., Office of the Director (OD), Phone: 301-435-7204

Email: [Transformative\\_Awards@mail.nih.gov](mailto:Transformative_Awards@mail.nih.gov)

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

### **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](mailto:sara.telano@us.af.mil)

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**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](mailto:HR001120S0048@darpa.mil)

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**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](mailto:dni-IARPA-BAA-20-01@iarpa.gov) Phone: Contracting Officer, 301-243-1886 (email is preferred)

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**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; NIWC Pacific reserves the right to select for award all, some, one, or none of the proposals received in response to this announcement

**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. If the Government intends to award a grant or cooperative agreement, it will issue a Research Announcement (RA). Closing date; June 03. 2021

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

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**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 and more...

**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](#)

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## **Department of Transportation**

**Grant Program: UTC PROGRAM TIER 1 COMPETITION 2020**

**Agency: Department of Transportation UTCTIER1COMP2020**

**Website:** <https://www.transportation.gov/content/university-transportation-centers>

**Brief Description:** The U.S. Dept. of Transportation seeks applications for four new Tier 1 University Transportation Centers, intending (subject to the merits of applications received) to fund one UTC in each of the following specific topic areas:

1. Highly Automated Transportation Systems Research
2. Communications Technology and E-Commerce Effects on Travel Demand
3. Implications of Accessible Automated Vehicles and Mobility Services for People with Disabilities
4. Strategic Implications of Changing Public Transportation Travel Trends

Under statutory restrictions, lead/grantee universities on the twenty current Tier 1 UTCs with grants initially awarded in 2016 are not eligible to receive one of the new Tier 1 grants; non-lead consortium-member universities on current Tier 1 UTCs are eligible.

**Awards:** Up to \$1,925,000; Estimated available funding: \$4,925,000

**Letter of Intent:** April 29, 2020

**Proposal Deadline:** May 29, 2020

**Contact Information:** Amy Stearns University Program Specialist 202-366-4957 [amy.stearns@dot.gov](mailto:amy.stearns@dot.gov)

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## **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](mailto:dltinfo@usda.gov); (202) 720-0800

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### **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](mailto:lakshmi.matukumalli@usda.gov) (816)-926-1189

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### **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

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## **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](http://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](mailto:levenstein.susan.l@dol.gov)

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## **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](mailto:klieforth.barbara@epa.gov)

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## **Department of Energy**

### **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](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](mailto:ryan.miller@hq.doe.gov)

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### **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>

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**Grant Program: FY2020 AMO Critical Materials FOA: Next-Generation Technologies and Field Validation**

**Agency:** Department of Energy DE-FOA-0002322

**Website:** <https://eere-exchange.energy.gov/#FoaIdf92d9b97-2d02-4e2a-8b8a-76cba3a2e114>

**Brief Description:** Through this funding opportunity announcement (FOA), the Advanced Manufacturing Office (AMO) seeks to address gaps in domestic supply chains for key critical materials for clean energy technologies to:

- Enable domestic manufacturing of high energy efficiency and high energy density clean energy technologies;
- Diversify the domestic supply of critical materials; and
- Validate and demonstrate domestic innovative technologies to support the transition to U.S. manufacturing.

This will be accomplished through development of alternative next-generation technologies and field validation and demonstration of technologies that improve extraction, separation and processing. Key critical materials for energy technologies as defined in this FOA include: rare earth elements: neodymium (Nd), praseodymium (Pr), dysprosium (Dy), terbium (Tb), and samarium (Sm) used in permanent magnets for electric vehicle motors, wind turbine generators and high temperature applications; cobalt (Co) used in batteries used in electric vehicles (EVs) and grid storage and high temperature permanent magnets; and lithium (Li), manganese (Mn) and natural graphite used in batteries (see table below). This FOA seeks to leverage the technology and capabilities developed at the Critical Materials Institute (CMI), an Energy Innovation Hub led by Ames Laboratory and managed by DOE.

**Awards:** DOE anticipates that, subject to the availability of future year appropriations, the total value of grants made under this FOA will be between \$4 million and \$16 million. DOE anticipates that, subject to the availability of future year appropriations, a grand total of \$20 million will be used to support grants under this FOA and national laboratory authorizations under its companion Program Announcement to the DOE National Laboratories.

**Letter of Intent:** See below.

**Submission Deadline:** Concept Paper Submission Deadline: 6/25/2020 5:00 PM ET

- Full Application Submission Deadline: 8/11/2020 5:00 PM ET

**Contact:** [EERE-ExchangeSupport@hq.doe.gov](mailto:EERE-ExchangeSupport@hq.doe.gov) For questions about the Exchange System or submitting an application through Exchange. Include FOA name and number in subject line.

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## NASA

**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](mailto:Richard.S.Eckman@nasa.gov)

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**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](mailto:david.b.considine@nasa.gov)

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**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](mailto:hq-niac@mail.nasa.gov)

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**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](mailto:Allison.K.Leidner@nasa.gov)

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**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](mailto:jim.spann@nasa.gov)

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## **National Endowment of Humanities**

### **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](mailto:hi@neh.gov)

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### **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](mailto:publicpgms@neh.gov)[Back to Contents](#)

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**Private Foundations****William T. Grant Foundation****Grant Program: Scholars Program****Agency: William T. Grant Foundation****Website:** <http://wtgrantfoundation.org/grants>

**Brief Description:** The William T. Grant Scholars Program supports career development for promising early-career researchers. The program funds five-year research and mentoring plans that significantly expand researchers' expertise in new disciplines, methods, and content areas. Applicants should have a track record of conducting high-quality research and an interest in pursuing a significant shift in their trajectories as researchers. We recognize that early-career researchers are rarely given incentives or support to take measured risks in their work, so this award includes a mentoring component, as well as a supportive academic community.

*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:** William T. Grant Scholars: July 1, 2020; 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](mailto:dhawan@njit.edu)) or Richard Rosenberg at [rnr@njit.edu](mailto:rnr@njit.edu)

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**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 by an expert selection panel. Reviewers include current Mozilla staff, senior Mozilla alumni, and other respected open source experts.

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

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### Streamlyne Question of the Week

**Question: Can I change project start and end dates after I have submitted for approval?**

**Answer:** When a proposal is routed for approval certain information is locked to ensure that the information at the various approval levels (department, college, and university) remains constant. This is intended to guarantee that the authority of academic leadership (e.g., chairs and deans) is recognized in the system.

The start and end dates are included in the data that is locked. If you need to change the dates of a proposal already submitted for approval, you will have to recall the proposal, make the necessary changes, and resubmit for approval.

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

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### **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>.

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