

NJIT Research Newsletter

Issue: ORN-2020-18

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

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Open Forum on Research and Graduate Studies (Held on May 1, 2020)

In response to the unprecedented COVID-19 pandemic crisis, NJIT activated a Research Continuity Plan halting non-essential research operations for the safety of faculty, staff, students and our community in compliance with the emergency regulations and stay-at-home order by the State of New Jersey. The open forum provided an update on the current status of the NJIT research enterprise with a potential research restoration plan. The panel answered questions related to the COVID-19 impact on research operations and productivity, grant management, potential impact on PhD dissertation and MS thesis research, online process for dissertation and thesis defense, and path to student graduation. The video recording of the Open Forum is available at:

Download recording link:

<https://njit.webex.com/njit/ldr.php?RCID=1ea85c4576d24f1d9cc3690c8806ded9>

Streaming recording link:

<https://njit.webex.com/njit/lsr.php?RCID=1ea85c4576d24f1d9cc3690c8806ded9>

Open Forum Panel:

- Fadi Deek, Provost and Senior Executive VP
- Andrew Christ, Senior VP for Real Estate Development and Capital Operations
- Basil Baltzis, Senior Vice Provost for Academic Affairs and Student Services
- Atam Dhawan, Senior Vice Provost for Research
- Sotirios Ziavras, Vice Provost for Graduate Studies & Dean of the Graduate Faculty
- Eric Hetherington, Executive Director, Sponsored Research Programs Administration
- Cristiana Kunyczka, Director, Office of Global Initiatives

NJIT Pandemic Recovery Plan

Research Continuity Plan Update: Phased Recovery Operations

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>

The following guidelines should be adapted with each respective phase for the recovery of research operations. We are currently in Phase 0. Based on the assessment of federal, state and local regulations, NJIT will announce the periods of subsequent phases for gradual recovery.

Recovery Phase 0: All non-essential research operations halted. Essential research operations follow strictest social distancing and safety protocols with only essential staff.

- Safety within laboratories must be rigorously maintained with adequate access to PPE and other safety related supplies. Labs will not be authorized for access unless adequate safety supplies are identified as being available. PIs must identify by name the people that will be considered essential personnel (including replacements/backups). During this time all essential research operations (ERO) must be approved by chair, dean, and the senior vice provost for research through the emergency research continuity plan process currently in place.
- Research involving human subjects that requires face-to-face interaction with human subjects is halted.
- Research that can be conducted remotely should be continued to the extent possible.

Recovery Phase 1: Minimal research operations approved through chairs, deans and senior vice provost for research to pursue time-sensitive priority research such as projects related to COVID-19 response;

approved Essential Research Operation (ERO) plans in Phase-0; long-term research experiments with cell-lines, animals, and human subjects that were already underway before Phase-0; grants and contracts expiring within six months; submission of proposals in response to special solicitations (Requests for Proposals); and projects involving students with graduation requirements.

- Requests for projects considered time-sensitive should be directed to departmental chairs. The dean and senior vice provost for research will provide guidance as needed.
- All research operations at NJIT facilities in this phase must follow the highest possible level of social distancing implemented.
- Research that can be conducted remotely should be continued to the extent possible.

Recovery Phase 2: Most research operations, whether sponsored through external grants and contracts or internally funded, may be restarted through the approval of department chairs using significant social distancing and safety protocols with restrictions on the number of researchers and staff present in laboratories at one time.

- The Phase 2 restart may require developing flexible work schedules, plan for supply chain issues, and prepare core and fabrication facilities in advance of need. To ensure social distancing requirements and to reduce density of research personnel in university research spaces, the lab directors should consider permitting flexible lab access schedules, work shifts or staggered workdays, and extended facilities support to enable more round-the-clock operation of research facilities. Under no circumstances should safety be sacrificed due to lack of adequate supplies, type, and quality of PPE.
- Research that can be conducted completely remotely or in addition to the on-campus operations should continue to be conducted in that manner.

Recovery Phase 3: Most research operations on funded and unfunded projects along with research required for future proposal submissions are restored with minimal social distancing and personnel safety protocols.

- Group meetings and research presentations with faculty, staff and students should be restricted and kept to a minimal size protecting any vulnerable participants. If possible, these meetings should continue to be held online until we reach a state of full recovery.
- Other laboratory safety protocols must be strictly followed.
- Research that can be conducted completely remotely or in addition to the on-campus operations should continue to be conducted in that manner.

Full Recovery: All research operations are restored fully with no specific social distancing requirements. However, all laboratory and personnel safety protocols must be strictly followed.

This document refers to research conducted on the NJIT campus in Newark, NJ, including the physical campus and activities that have direct contact with individuals (human subjects) anywhere. Satellite locations, such as the Big Bear Solar Observatory in California, must follow a similar phased approach informed by local conditions.

Guidance on Financial Management of Grants and Contracts

The Office of Management and Budget issued a memorandum on 19 March 2020 (OMB 20-17 <https://www.whitehouse.gov/wp-content/uploads/2020/03/M-20-17.pdf>) providing guidance on

issues related to grant management during the COVID-19 disruption. This memorandum provides short term relief for administrative, financial management, and audit requirements under [2 CFR Part 200, Uniform Administrative Requirements, Cost principles and Audit Requirements for Federal Awards](#), for the management of grants and contracts from all federal and non-federal sources under the COVID-19 public health emergency without compromising federal financial assistance accountability requirements.

Funding agencies such as NSF and NIH are following the OMB guidance with respect to grant management during this disruption to university business and research. The [OMB Memorandum M-20-17](#) with the important information on the financial management of the research grants and contracts is posted on the research website <https://research.njit.edu/njit-research-continuity-plan>. Links to current notifications from federal agencies are provided below. Principal investigators should check with the websites of their specific funding agencies for more information.

COVID-19 Information for NSF applicants and award recipients FAQ is regularly updated on the website https://www.nsf.gov/bfa/dias/policy/covid19/covid19faqs_dcl.pdf. COVID-19 Information for NIH applicants and recipients of NIH funding is regularly updated on the website <https://grants.nih.gov/policy/natural-disasters/corona-virus.htm>. A multiple Funding Agencies Research Impact Guidance Matrix by the Council of Government Relationships is posted on the website [COGR's Federal Agency Guidance Matrix \(XLS\)](#).

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Office of Research Administration Operations

All Office of Research processes continue during this period of remote operation. Our hours of usual operation remain 8:30-4:30 Monday through Friday. All staff are available by email and most have their office phone numbers forwarded to them through Cisco Jabber. You should receive a reply to an inquiry within 24 hours. You may always reach out to your college's research administration support person for assistance.

Principal investigators who have subaward activity with other institutions or contracts with industry partners are asked to discuss the current situation with their counterparts to determine if the COVID-19 disruption will require a modification to our existing agreements. If it is determined that a modification is required, please contact Justin Samolewicz at Justin.m.samolewicz@njit.edu to discuss next steps.

Budget transfers or other actions needed to comply with this guidance should follow the standard procedures. Questions or concerns regarding post-award financial activity on grants may be directed to your grant accountant or Mariel Diaz at <mailto:mariel.diaz@njit.edu>.

Questions related to OMB guidance, research compliance or general concerns about the administration and financial management of grants and contracts may be directed to Eric Hetherington, Executive Director, Sponsored Research Programs Administration at erich@njit.edu

Please also use the following group email addresses for your specific questions in the respective areas:

- Pre-Award inquiries: srard@njit.edu
- Post-Award financial management: gca@njit.edu
- Institutional Review Board: irb@njit.edu
- Institutional Biosafety Committee: ibc@njit.edu

All other research-related inquiries during the emergency should be submitted to <https://research.njit.edu/inquiry>

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Grant Opportunity Alerts

Keywords and Areas Included in the Grant Opportunity Alert Section Below

NSF: Industry-University Cooperative Research Centers Program (IUCRC); Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES); Antarctic Research; Coastlines and People (CoPe); NSF Program on Fairness in Artificial Intelligence in Collaboration with Amazon (FAI)

NIH: NIH Small Research Grant Program (R03); NIH Exploratory/Developmental Research Grant Program (R21); NIH Research Project Grant (R01); Notice of Special Interest (NOSI): Data Driven Research on Coronavirus Disease 2019 (COVID-19) (R21); Emergency Awards: Rapid Investigation of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and Coronavirus Disease 2019 (COVID-19) (R21); Superfund Research Program Occupational Health and Safety Education Programs on Emerging Technologies (R25); Institutional Development Award (IDeA) Networks for Clinical and Translational Research (IDeA-CTR) (U54)

Department of Defense/US Army/DARPA/ONR: DoD Hearing Restoration Focused Research Award; DoN Science, Technology, Engineering & Mathematics (STEM), Education and Workforce Program; DoD, Breast Cancer, Innovator Award; DoD Multiple Sclerosis, Investigator- Initiated Research Award; Biological Technologies; PRMRP Investigator-Initiated Research Award for Emerging Viral Diseases and Respiratory Health; UNITED STATES MILITARY ACADEMY Broad Agency Announcement

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: Youth Apprenticeship Readiness Grant Program

EPA: Assessment Tools for Biotechnology Products; National Environmental Education and Training Program

Department of Energy: Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002252; Artificial Intelligence and Decision Support for Complex Systems; Novel Research and Development for the Direct Capture of Carbon Dioxide from the Atmosphere

NASA: ROSES 2020: The New (Early Career) Investigator Program in Earth Science; Early Stage Innovations (ESI); National Space Grant College and Fellowship Program: Program-Level Independent Evaluation Opportunity; Advanced Component Technology; Living With a Star Science; ROSES 2020: Space Weather Science Application Operations-to-Research; Heliophysics Supporting Research; HELIOPHYSICS - Early Career Investigator Program; Astrophysics Research and Analysis

National Endowment of Humanities: Research and Development; Advanced Topics in the Digital Humanities; Fellowships

[Special COVID-19 Research and SBIR/STTR Funding Programs:](#) NIBIB RADx and DoD SBIR/STTR Programs
[Private Foundations:](#) Brain Health Foundation: 2021 Scientific Innovations Award
Facebook: Facebook Research

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Recent Research Grant and Contract Awards

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

PI: James Geller (PI), Donghee Wohn (Co-PI) and Michael Lee (Co-PI)
Department: Computer Science
Grant/Contract Project Title: Northeastern - Diversity in Computing
Funding Agency: Northeastern University
Duration: 02/19/20-02/18/22

PI: Kurt Rohloff (PI)
Department: Cybersecurity Center
Grant/Contract Project Title: Verona Hector
Funding Agency: IARPA
Duration: 06/03/19-06/02/20

PI: Alexander Haimovich (PI)
Department: Electrical and Computer Engineering
Grant/Contract Project Title: Noise Waveforms for Next Generation Fuze RADAR
Funding Agency: U.S. Department of Defense (DOTC)
Duration: 08/15/17-08/14/20
PI: Suzanne Berliner-Heyman (PI)
Department: CPCP
Grant/Contract Project Title: UNITE 2020 Program
Funding Agency: U.S. Department of Army (AEOP)
Duration: 03/01/20-02/28/21

PI: Jacob Chakareski (PI)
Department: Informatics (Correction)
Grant/Contract Project Title: Automated Orientation & Mobility Training in Virtual Reality for Low Vision Rehabilitation
Funding Agency: NIH
Duration: 01/01/20-06/30/20

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In the News...

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

Phase Four COVID-19 Relief and Stimulus Legislative Recommendations to Sustain Research Universities and the Government-University Partnership:

America's leading research universities are at the forefront of the fight against the COVID-19 pandemic. They are developing and administering new diagnostic tests, researching potential treatments and vaccines, and developing new, affordable, and easily mass-produced ventilators and personal protective equipment. The [Association of American Universities is calling on Congress](#) to provide \$26 billion more to the major research agencies--National Institutes of Health, National Science Foundation, Department of Energy, Department of Defense Science & Technology programs, NASA, USDA, NOAA, National Institute of Standards and Technology, the Institute for Education Sciences, and others. The money would cover: requests for research grant and contract supplements (i.e., cost extensions) arising from COVID-19 related impact; emergency relief to sustain research support personnel and base operating costs for core research facilities and user-funded research services until the facilities can reopen and research activities can return to pre-pandemic activity levels; and additional graduate student and postdoc fellowships, traineeships, and research assistantships for up to two years. The group also seeks regulatory and audit flexibility for researchers during the pandemic period and for a year afterwards. The letter dated May 4, 2020 is posted on the website https://www.aau.edu/sites/default/files/AAU-Files/AAU_Phase_4_Stimulus_Proposal_5_4_2020.pdf

NIH Initiates New COVID-19 Research Funding Program : So predicts Francis Collins, director of the National Institutes of Health, of the shark-tank-style competition under way to develop rapid, inexpensive tests for COVID-19. Recent stimulus legislation provided \$1.5 billion for the effort. Of that amount, \$500 million went to the National Institute of Biomedical Imaging and Bioengineering "to accelerate research, development, and implementation of point of care and other rapid testing related to coronavirus" and \$1 billion to Collins's office "to develop, validate, improve, and implement testing and associated technologies; to accelerate research, development, and implementation of point of care and other rapid testing; and for partnerships with governmental and non-governmental entities." [Testifying before the Senate Health, Education, Labor, and Pensions Committee](#), Collins said an expert review team has identified 20 "applications that are ready to move into that first phase of intense scrutiny." Roll Call reports: "Finalists will be matched with business and manufacturing partners, with a goal of distributing millions of new rapid tests by the end of summer or early fall." Read more in [Roll Call](#); and [STAT](#) and on the [agency website](#) . Also, information about NIBIB's RADx funding program is provided in the Newsletter below and also posted on <https://www.poctrn.org/radx>.

NSF Industry-University Cooperative Research Centers (IUCRCs): National Science Foundation says in a new solicitation. " Industry-University Cooperative Research Centers (IUCRCs) help industry partners and government agencies connect directly and efficiently with university researchers to achieve three primary objectives: 1) Conduct high-impact research to meet shared and critical industrial needs in companies of all sizes; 2) Enhance U.S. global leadership in driving innovative technology development, and 3) Identify, mentor and develop a diverse, highly skilled science and engineering workforce." [Learn more. See FAQs; Join a webinar.](#)

DOD Basic Research: [Prepared testimony submitted](#) by the Coalition for National Security Research says the Pentagon's FY 2021 budget "harms DoD's ability to build capacity in its research programs and workforce by proposing to eliminate funding for efforts such as Defense Established Programs to

Stimulate Competitive Research (DEPSCoR)." The CNSR document also says "University Research Initiatives (URIs) would be absolutely devastated from funding levels proposed in the FY 2021 budget." Within the URI programs, the budget "proposes to fund the Multidisciplinary University Research Initiative (MURI) program and Defense University Research Instrumentation Program (DURIP) below FY 2010 levels in real dollars."

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Webinar and Events

Event: Engineering for Civil Infrastructure Webinar

Sponsor: ASES Webinar

When: May 11, 2020 1:00 PM – 3.00 PM

Website: https://www.nsf.gov/events/event_summ.jsp?cntn_id=300452&org=NSF

Brief Description: The Engineering for Civil Infrastructure webinar will introduce and answer questions related to NSF's [Engineering for Civil Infrastructure \(ECI\) program](#) on Monday, May 11, 2020, from 1:00 pm to 3:00 pm EDT.

The ECI program is a core, unsolicited research program in the NSF Division of Civil, Mechanical and Manufacturing Innovation, Directorate for Engineering. Program Directors will discuss recent revisions in the program scope and new research thrusts within the ECI program.

To Join the Webinar: Register in advance for this Zoom webinar at: https://nsf.zoomgov.com/webinar/register/WN_Si7IAsmfQSeorgvbsQmlSg

Event: NSF CAREER Program Webinar

When: May 13, 2020 2:00 PM – 4.00 PM

Website: https://www.nsf.gov/events/event_summ.jsp?cntn_id=300458&org=NSF

Brief Description: This webinar will provide information on the [NSF Faculty Early Career Development program \(CAREER\) solicitation NSF 20-525](#) on Wednesday, May 13, 2020, starting at 2:00 pm Eastern Daylight Time.

The webinar will include a briefing on the CAREER program and key solicitation requirements followed by a question and answer session.

We encourage participants to submit questions before the webinar using the email careerwebinarqs@nsf.gov. Questions will be taken during the webinar as well.

To Join the Webinar: Register in advance for this webinar at https://nsf.zoomgov.com/webinar/register/WN_64qt_7leSUqXLwr4oJrgRQ After registering, you will receive a confirmation email containing information about joining the webinar.

Event: DEB Virtual Office Hour: CAREER

When: May 18, 2020 1:00 PM – 2.00 PM

Website: https://www.nsf.gov/events/event_summ.jsp?cntn_id=300500&org=NSF

Brief Description: Join us **May 18th from 1pm-2pm EDT** for DEB's next Virtual Office Hour. Program Officers will provide an introduction to the Faculty Early Career Development Program (CAREER) ([NSF 20-525](#)). Please note that this is a different date than our normally scheduled office hour.

Representatives from each of the four DEB core programs will be available for questions. Questions can be on any DEB topic.

Please use the registration link below to participate. Upcoming DEB Virtual Office Hours are announced ahead of time on DEBrief, so sign up for blog notifications for reminders.

To Join the Webinar: Register in advance
at https://nsf.zoomgov.com/webinar/register/WN_E9ZWEGdFTIC1Tkr-F0YgZA

Event: IUCRC Solicitation Webinar

Sponsor: ASES Webinar

When: May 19, 2020 2:00 PM – 4.00 PM

Website:

https://www.nsf.gov/events/event_summ.jsp?cntn_id=300541&WT.mc_id=USNSF_13&WT.mc_ev=click

Brief Description: The NSF Industry-University Cooperative Research Centers (IUCRC) program will host a webinar about the [new IUCRC funding announcement \(solicitation 20-570\)](#).

Changes to the program include a new Phase II funding model, centralized coordination and management of multi-site Centers, and two membership levels.

To Join the Webinar: [REGISTER HERE](#)

Event: Webinar: Maximizing Resources and Technologies for 100% Renewable Energy

Sponsor: ASES Webinar

When: May 27, 2020 2:00 PM - 3:00 PM EDT

Website: <https://register.gotowebinar.com/register/6830066582493833486>

Brief Description: The ASES May Webinar will feature a presentation on maximizing all resources and technologies in order to achieve a 100% renewable energy grid given by SOLAR 20/20 Conference Chair, Scott Sklar. This webinar is directly related to the content being shared at our annual conference, SOLAR 20/20: Renewable Energy Vision on June 24 and 25. Learn more and register now at ases.org/conference.

To Join the Webinar: Please register at the above URL.

Event: NSF Distinguished Lecture Series in Mathematical and Physical Sciences for 2019-20

Sponsor: NSF

When: Various; Please see below.

Website: https://www.nsf.gov/events/event_summ.jsp?cntn_id=299152&org=NSF

Brief Description: These lectures will be held at the National Science Foundation, 2415 Eisenhower Ave., Alexandria, VA 22314. Advance sign-up requests are required for preparation of visitor passes by emailing the contact below. Guidelines for visiting NSF are at <https://www.nsf.gov/about/visit/>
June 11, 2020 2:00 PM to June 11, 2020 3:00 PM

To Join the Webinar: Please register at the above URL.

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Grant Opportunities

National Science Foundation

Grant Program: Industry-University Cooperative Research Centers Program (IUCRC)

Agency: National Science Foundation NSF 20-570

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20570/nsf20570.htm>

Brief Description: The IUCRC program provides a structure for academic researchers to conduct fundamental, pre-competitive research of shared interest to industry and government organizations. These

organizations pay membership fees to a consortium so that they can collectively envision and fund research, with at least 90% of Member funds allocated to the direct costs of these shared research projects. IUCRCs are formed around research areas of strategic interest to U.S. industry. Industry is defined very broadly to include companies (large and small), startups and non-profit organizations. Principal Investigators form a Center around emerging research topics of current research interest, in a pre-competitive space but with clear pathways to applied research and commercial development. Industry partners join at inception, as an existing Center grows or they inspire the creation of a new Center by recruiting university partners to leverage NSF support. Government agencies participate in IUCRCs as Members or by partnering directly with NSF at the strategic level.

Successful IUCRCs require:

- A capable research/management team with an entrepreneurial mindset;
- Universities, faculty, and students interested in engaging in research of interest to industry;
- A community of industry partners seeking pre-competitive, use-inspired research projects.

Each IUCRC is expected to grow and become independently sustainable by the end of the NSF support.

Awards: Standard or continuing grants; **Anticipated Funding Amount:** \$20,500,000

Individual award sizes (total costs):

\$20,000 for Planning Grants

\$150,000 per year for Phase I

\$100,000 per year for Phase II

\$150,000 per year for Phase II+

\$50,000 per year for Phase III

Letters of Intent: Not Required

Preliminary Proposal Due Date(s) (required) (due by 5 p.m. submitter's local time):

July 07, 2020

September 16, 2020

March 10, 2021

Full Proposal Submission Deadline:

September 08, 2020

December 16, 2020

June 09, 2021

Contacts: Prakash G. Balan, IUCRC Program Director, Directorate for Engineering, telephone: (703) 292-5341, email: pbalan@nsf.gov

- Gregory Reed, IUCRC Program Director, Directorate for Engineering, telephone: (703) 292-2003, email: gregreed@nsf.gov

Grant Program: Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

Agency: National Science Foundation NSF 20-569

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20569/nsf20569.htm>

Brief Description: The NSF INCLUDES Big Idea is a comprehensive national initiative to enhance U.S. leadership in science, technology, engineering, and mathematics (STEM) discoveries and innovations focused on NSF's commitment to diversity, inclusion, and broadening participation in these fields. The vision of NSF INCLUDES is to catalyze the STEM enterprise to work collaboratively for inclusive change, resulting in a STEM workforce that reflects the population of the Nation. More specifically, NSF INCLUDES seeks to improve collaborative efforts aimed at enhancing the preparation, increasing the participation, and ensuring the contributions of individuals from groups that have been historically underrepresented and underserved in the STEM enterprise such as African Americans, Alaska Natives,

Hispanics, Native Americans, Native Hawaiians, Native Pacific Islanders, persons with disabilities, persons from economically disadvantaged backgrounds, and women and girls. Significant advancement in the inclusion of underrepresented groups in STEM will result in a new generation of STEM talent and leadership to secure our nation's future and long-term economic competitiveness.

The NSF INCLUDES National Network is composed of:

- Alliances,
- Design and Development Launch Pilots,
- Coordination Hub,
- Other NSF funded projects,
- Federal Coordination in STEM (FC-STEM) agencies,
- Scholars engaged in broadening participation research, and
- Organizations that support the development of talent from all sectors of society to build an inclusive STEM workforce.

Awards: Cooperative Agreement; **Anticipated Funding Amount:** \$2,000,000 to \$3,000,000

Letters of Intent: Required by **October 05, 2020**

Limit on Number of Proposals per Organization: An organization may serve as a lead organization on only one proposal. Proposals that exceed the organizational limit (beyond the first submission based on timestamp) will be returned without review. No exceptions will be made.

Internal Submission Deadline of Institutional Review: If you would intend to submit a proposal with NJIT as lead institution, please submit a pre-proposal to Atam Dhawan, Senior Vice Provost for Research at dhawan@njit.edu with a copy to your respective department chair and college dean in the following format by **August 1, 2020**:

NSF Format Summary, Intellectual Merit, Broader Impact, List of Key Investigators and Participating Institutions with their specific roles, Biographical Sketch of the PI and Budget Summary.

Proposal Submission Deadline: January 26, 2021

Contacts: General inquiries may be addressed to:, phone: (703) 292-2315, email: nsfincludes@nsf.gov

Grant Program: Antarctic Research

Agency: National Science Foundation NSF 20-568

RFP Website: <https://www.nsf.gov/pubs/2020/nsf20568/nsf20568.htm>

Brief Description: The Antarctic Sciences Section (ANT) of the Office of Polar Programs (OPP) supports cutting-edge research to:

- Expand fundamental knowledge of Antarctic systems, biota, and processes
- Improve understanding of interactions among the Antarctic region and global systems
- Utilize the unique characteristics of the Antarctic region as a science observing platform

The U.S. Antarctic Program (USAP) supports scientific research in Antarctica and the Southern Ocean with logistics provided by OPP's Antarctic Infrastructure and Logistics Section (AIL). Antarctic fieldwork is supported only for research that must be performed, or is best performed, in Antarctica. ANT encourages research, using existing samples, data, and models, that does not require fieldwork. ANT also encourages research that crosses and combines, disciplinary perspectives and approaches.

Awards: Standard or continuing grants; **Anticipated Funding Amount:** \$55,000,000

Letters of Intent: Not Required

Proposal Submission Deadline: Proposals Accepted Anytime

Contacts: Jennifer Burns, Program Director, Organisms and Ecosystems, telephone: (703) 292-2120, email: jmmburns@nsf.gov

Paul M. Cutler, Program Director, Glaciology, Ice Core Science, and Geomorphology, telephone: (703) 292-4961, fax: (703) 292-9025, email: pcutler@nsf.gov

Grant Program: Coastlines and People (CoPe)**Agency: National Science Foundation NSF 20-567****RFP Website:**https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505772&org=NSF&sel_org=NSF&from=fund

Brief Description: Scientific research into complex coastal systems and the interplay with coastal hazards is vital for predicting, responding to and mitigating threats in these regions. Understanding the risks associated with coastal hazards requires a holistic Earth Systems approach that integrates improved understanding of and, where possible, predictions about natural, social, and technological processes with efforts to increase the resilience of coastal systems. The Coastlines and People program supports diverse, innovative, multi-institution awards that are focused on critically important coastlines and people research that is integrated with broadening participation goals. The objective of this solicitation is to support Coastal Research Hubs, structured using a convergent science approach, at the nexus between coastal sustainability, human dimensions, and coastal processes to transform understanding of interactions among natural, human-built, and social systems in coastal, populated environments.

NSF's mission calls for the broadening of opportunities and expanding participation of groups, institutions, and geographic regions that are underrepresented in STEM disciplines, which is essential to the health and vitality of science and engineering. Consistent with this principle of diversity and particularly suitable for the thrust of this program, NSF and Amazon encourage proposals (either independently or in multi-institution collaborations) from investigators at institutions that serve groups historically underrepresented in STEM disciplines.

Awards: Standard or continuing grants**Letters of Intent:** August 10, 2020**Proposal Submission Deadline:** September 9, 2020**Contacts:** CoPe Working Group nsfcope@nsf.gov (703) 292-4708

Grant Program: NSF Program on Fairness in Artificial Intelligence in Collaboration with Amazon (FAI)**Agency: National Science Foundation NSF 20-566****RFP Website:** <https://www.nsf.gov/pubs/2020/nsf20566/nsf20566.htm>

Brief Description: NSF and Amazon are partnering to jointly support computational research focused on fairness in AI, with the goal of contributing to trustworthy AI systems that are readily accepted and deployed to tackle grand challenges facing society. Specific topics of interest include, but are not limited to transparency, explainability, accountability, potential adverse biases and effects, mitigation strategies, algorithmic advances, fairness objectives, validation of fairness, and advances in broad accessibility and utility. Funded projects will enable broadened acceptance of AI systems, helping the U.S. further capitalize on the potential of AI technologies. Although Amazon provides partial funding for this program, it will not play a role in the selection of proposals for award.

Advancing AI is a highly interdisciplinary endeavor drawing on fields such as computer science, information science, engineering, statistics, mathematics, cognitive science, and psychology. As such, NSF and Amazon expect these varied perspectives to be critical for the study of fairness in AI. NSF's ability to bring together multiple scientific disciplines uniquely positions the agency in this collaboration, while building AI that is fair and unbiased is an important aspect of Amazon's AI initiatives. This program supports the conduct of fundamental computer science research into theories, techniques, and methodologies that go well beyond today's capabilities and are motivated by challenges and requirements in real systems.

NSF's mission calls for the broadening of opportunities and expanding participation of groups, institutions, and geographic regions that are underrepresented in STEM disciplines, which is essential to the health and vitality of science and engineering. Consistent with this principle of diversity and particularly suitable for the thrust of this program, NSF and Amazon encourage proposals (either independently or in multi-institution collaborations) from investigators at institutions that serve groups historically underrepresented in STEM disciplines.

Awards: Standard or continuing grants; Anticipated Funding Amount: \$7,600,000

Award Size: \$750,000 up to a maximum of \$1,250,000 for periods of up to 3 years.

Letters of Intent: Not Required

Proposal Submission Deadline: July 13, 2020

Contacts: Todd Leen, Program Director, CISE/IIS, telephone: (703) 292-8930, email: tleen@nsf.gov

- Sylvia Spengler, Program Director, CISE/IIS, telephone: (703) 292-8930, email: sspengle@nsf.gov
- Steven Breckler, Program Director, SBE/BCS, telephone: (703) 292-7369, email: sbreckle@nsf.gov

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National Institutes of Health

Grant Program: NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)

Agency: National Institutes of Health PA-20-200

RFP Website: <https://grants.nih.gov/grants/guide/pa-files/PA-20-200.html>

Brief Description: The NIH Small Research Grant Program supports discrete, well-defined projects that realistically can be completed in two years and that require limited levels of funding. This program supports different types of projects including, but not limited to, the following:

- Pilot or feasibility studies;
- Secondary analysis of existing data;
- Small, self-contained research projects;
- Development of research methodology; and
- Development of new research technology

Awards: Application budgets are limited to \$50,000 in direct costs per year. The total project period may not exceed two years.

Letter of Intent: Not Required

Proposal Submission Deadline: [Standard dates](#) apply. The first standard due date for this FOA is June 16, 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.

Grant Program: NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)

Agency: National Institutes of Health PA-20-195

RFP Website: <https://grants.nih.gov/grants/guide/pa-files/PA-20-195.html>

Brief Description: This program is intended to encourage new exploratory and developmental research projects. For example, such projects could assess the feasibility of a novel area of investigation or a new

experimental system that has the potential to enhance health-related research. Another example could include the unique and innovative use of an existing methodology to explore a new scientific area. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

Applications for Exploratory/Developmental Research Grant awards should include projects distinct from those supported through the traditional R01 activity code. For example, long-term projects, or projects designed to increase knowledge in a well-established area, are not appropriate for this FOA. Applications submitted to this FOA should be exploratory and novel. These studies should break new ground or extend previous discoveries toward new directions or applications. Projects of limited cost or scope that use widely accepted approaches and methods within well-established fields are better suited for the [NIH Small Research Grant Program](#).

Awards: The combined budget for direct costs for the two-year project period may not exceed \$275,000. No more than \$200,000 may be requested in any single year.

Letter of Intent: Not Required

Proposal Submission Deadline: [Standard dates](#) apply. The first standard due date for this FOA is June 16, 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.

Grant Program: NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)

Agency: National Institutes of Health PA-20-185

RFP Website: <https://grants.nih.gov/grants/guide/pa-files/PA-20-185.html>

Brief Description: The NIH Research Project Grant supports a discrete, specified, circumscribed project in scientific areas that represent the investigators' specific interests and competencies and that fall within the mission of the participating NIH Institutes and Centers (ICs). The R01 is the original, and historically the oldest, grant mechanism used by the NIH to support health-related research and development.

Research grant applications are assigned to participating ICs based on receipt and referral guidelines and applications may be assigned to multiple participating ICs with related research interests. Applicants are encouraged to identify a participating IC that supports their area of research via the [R01 IC-Specific Scientific Interests and Contact](#) website and contact Scientific/Research staff from relevant ICs to inquire about their interest in supporting the proposed research project.

Awards: Application budgets are not limited but need to reflect the actual needs of the proposed project.

Letter of Intent: Not Required

Proposal Submission Deadline: [Standard dates](#) apply. The first standard due date for this FOA is June 5, 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.

Grant Program: Notice of Special Interest (NOSI): Data Driven Research on Coronavirus Disease 2019 (COVID-19) (R21)

Agency: National Institutes of Health NOT-LM-20-011

RFP Website: <https://grants.nih.gov/grants/guide/notice-files/NOT-LM-20-011.html>

Brief Description: In order to rapidly improve our understanding of the infection of SARS-CoV-2 and of COVID-19, NLM is encouraging the submission of R21 applications to address the following research areas of interest:

- Methods for mining clinical data that can be used to identify or predict presence of COVID-19 in biomedical phenotype data, or other relevant topics such as discovery of risks for infection by SARS-Cov-2 viruses, use of standard terminologies for these viruses in federated health data sets
- Public health surveillance methods that mines genomic, viromic, health data, environmental data and/or data from other pertinent sources such as social media, to identify spread and impact of SARS-Cov-2

Applications are expected to focus on informatics and data science methods to help address the COVID-19 pandemic in a timely manner. Applications that are not responsive will be withdrawn without review.

Awards: N/A

Letter of Intent: Not Required

Deadline: This notice applies to due date on June 16, 2020 only.

Submit applications for this initiative using one of the following funding opportunity announcements (FOAs) or any reissues of these announcement through the expiration date of this notice.

- [PA-19-053](#) NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)

Grant Program: Emergency Awards: Rapid Investigation of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and Coronavirus Disease 2019 (COVID-19) (R21 Clinical Trial Not Allowed)

Agency: National Institutes of Health PAR-20-177

Companion Funding Opportunity: [PAR-20-178, R01](#) Research Project Grant

RFP Website: <https://grants.nih.gov/grants/guide/pa-files/PAR-20-177.html>

<https://grants.nih.gov/grants/guide/pa-files/PAR-20-178.html>

Brief Description: The purpose of this Funding Opportunity Announcement (FOA) is to provide an expedited funding mechanism for research on Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and Coronavirus Disease 2019 (COVID-19). NIAID is issuing this FOA in response to the declared public health emergency issued by the Secretary, HHS, for 2019 Novel Coronavirus (COVID-19).

This program is designed to provide expedited funding for research projects focusing on obtaining time-sensitive data in light of this public health emergency (e.g., the research questions cannot be efficiently addressed in another context and the nature of the event and/or impacted populations are well suited for the proposed study). Hence it is critical to enhance data-sharing and access and to have NIAID-funded data be findable, accessible, interoperable, and reusable ([FAIR](#)). **All NIAID-funded researchers are expected to share research data to enhance the rigor and reproducibility of research results and secondary use per the NIAID Data Sharing Guideline** at <https://www.niaid.nih.gov/research/data-sharing-and-release-guidelines>, as appropriate and consistent with achieving the goals of the program.

Awards: Application budgets are not limited but need to reflect the actual needs of the proposed project.

Letter of Intent: Not Required

Deadline: Applications will be accepted on a rolling basis, beginning on 04/30/2020.

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.

Grant Program: Superfund Research Program Occupational Health and Safety Education Programs on Emerging Technologies (R25 - Clinical Trial Not Allowed)

Agency: National Institutes of Health RFA-ES-20-011

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

Brief Description: The NIH Research Education Program (R25) supports research educational activities that complement other formal training programs in the mission areas of the NIH Institutes and Centers. The overarching goals of the NIH R25 program are to: (1) complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs; (2) encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications.

Through the R25 mechanism, the SRP is offering Higher Education Institutions the opportunity to develop and implement the use of educational programs on the occupational health and safety management practices for emerging technologies (e.g., emerging hazardous waste products, biotechnology, nanotechnology, alternative (green) chemistry, electronic waste, high performance buildings, 3-D printing, novel drug delivery in healthcare, sustainable remediation, and exposure and environmental detection technologies), emerging contaminants, disaster response research involving emerging technologies, and/or laboratory practices involving emerging technologies (e.g., global harmonization, control banding, health and safety practices of working in the field, mixing/disposal of laboratory materials, transportation of chemicals, and chain of custody). The education programs are designed to provide a unique educational opportunity to graduate students, postdoctorates, industrial hygienists, other professionals, and those involved in the training of other personnel using these technologies and associated hazardous substances (e.g., Train-the-trainer).

Awards: Although the size of award may vary with the scope of the Education Program proposed, budgets cannot exceed \$250,000 direct costs per year.

Letter of Intent: July 3, 2020

Deadline: August 3, 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.

Grant Program: Institutional Development Award (IDeA) Networks for Clinical and Translational Research (IDeA-CTR) (U54 Clinical Trial Optional)

Agency: National Institutes of Health PAR-20-175

RFP Website: <https://grants.nih.gov/grants/guide/pa-files/PAR-20-175.html>

Brief Description: An IDeA-CTR is expected to be a statewide or interstate regional network that supports the development and/or enhancement of infrastructure and human resources required for clinical and translational research, organizes and leads clinical and translational research activities that help address the broad spectrum of health challenges faced by the population in the state(s), and fosters and coordinates collaboration in clinical and translational research. Only one IDeA-CTR award can be made per eligible IDeA state. In keeping with the objective that these awards address broad health concerns, applications with narrow disease or population focus will not be funded.

The objectives of the IDeA-CTR initiative are the following:

- To support the development and/or enhancement of infrastructure and human resources required to address clinical and translational research needs in IDeA-eligible states.
- To strengthen clinical and translational research that addresses the broad spectrum of health challenges faced by populations in IDeA-eligible states/jurisdictions.
- To foster and coordinate collaboration in clinical and translational research within an IDeA-CTR network and with other institutions.

For the purposes of this initiative, the following definitions apply:

- "Clinical research" comprises studies and trials in human subjects as defined by NIH Regulations and Policies (<https://grants.nih.gov/grants/glossary.htm#ClinicalResearch>).
- "Translational research" includes research that aims to convert basic research advances to practical applications in humans, and research aimed at the adoption of best practices in community healthcare.

Awards: The application may request up to \$4,000,000 per year in total costs. This FOA provides an additional one-time cost of up to \$300,000 in direct costs in year one for Alterations and Renovations.

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

Deadline: October 7, 2020; October 7, 2021, and October 7, 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.

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

Grant Program: DoD Hearing Restoration Focused Research Award

Agency: Department of Defense Dept. of the Army – USAMRAA W81XWH-20-HRRP-FRA

Website: <https://cdmrp.army.mil/funding/pa/FY20-HRRP-FRA.pdf>

Brief Description: To meet the intent of the award mechanism, all applications to the FY20 HRRP FRA must address research in one or more of the following Focus Areas: • Accelerate translation of biological regeneration/repair mechanisms into therapies that treat auditory system injury and restore auditory function. For example, but not limited to: ○ Hair cell regeneration/repair/recovery ○ Neural regeneration/repair/recovery ○ Treatment for synaptopathy and hidden hearing loss • Diagnostic tests that help differentiate sensory, neural, synaptic, and central processing disorders, that may inform applicability and outcomes for current or future hearing restoration therapeutics. • Develop reliable in-vitro human models to facilitate the understanding, derivation, and characterization of human auditory cells, and/or to facilitate the evaluation of hearing restoration therapies. • Develop and/or validate techniques/methods beyond the audiogram to diagnose acute auditory system injury in austere or remote environments. For example, but not limited to, simple and rapid assessments that are compatible with portable platforms.

Awards: Estimated Total Program Funding: \$10,000,000

Proposal Deadline: Pre-Application Submission Deadline: 5:00 p.m. Eastern time (ET), 14 July, 2020 • Invitation to Submit an Application: August 2020 • Application Submission Deadline: 11:59 p.m. ET, 3 November, 2020

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

Grant Program: FY20 Funding Opportunity Announcement (FOA) for the Department of Navy (DoN) Science, Technology, Engineering & Mathematics (STEM), Education and Workforce Program

Agency: Department of Defense Office of Naval Research N00014-20-S-F005

Website: <https://www.onr.navy.mil/en/work-with-us/funding-opportunities>

Brief Description: This announcement explicitly encourages projects that improve the capacity of education systems and communities to create impactful STEM educational experiences for students and workers. Submissions are encouraged to consider including active learning approaches and incorporating 21st century skill development. Projects must aim to increase student and worker engagement in STEM and enhance people with needed Naval STEM capabilities. ONR encourages applications to utilize current STEM educational research for informing project design and advancing our understanding of how and why people choose STEM careers and opportunities of Naval relevance. While this announcement is relevant for any stage of the STEM educational system, funding efforts will be targeted primarily toward projects addressing the below communities or any combination of these communities: • Secondary education communities; • Post-Secondary communities; • Informal science communities; • Current Naval STEM workforce communities.

Awards: Various

Proposal Deadline: White Paper Inquiries and Questions 10 June 2020 (Wednesday) White Papers must be received between 04 May 2020 (Monday) and 12 June 2020 (Friday) at 5:00 PM Eastern Time Application Inquiries and Questions 14 August 2020 (Friday) Applications must be received no later than 28 August 2020 (Friday) at 11:59 PM Eastern Time

Contact Information: Dr. Michael Simpson Director of Education and Workforce/Naval STEM Office of Naval Research 875 North Randolph Street Arlington VA 22203-1995 Email: ONR_STEM@navy.mil

Grant Program: DoD, Breast Cancer, Innovator Award

Agency: Department of Defense Dept. of the Army – USAMRAA W81XWH-20-BCRP-INNOV-2

Website: <https://cdmrp.army.mil/funding/bcrp>

Brief Description: Considering the current breast cancer landscape and the BCRP's mission, all FY20 BCRP Innovator Award applications must address at least one of the following overarching challenges unless adequate justification for exception is provided.* • Prevent breast cancer (primary prevention) • Identify determinants of breast cancer initiation, risk, or susceptibility • Distinguish deadly from non-deadly breast cancers • Conquer the problems of overdiagnosis and overtreatment • Identify what drives breast cancer growth; determine how to stop it • Identify why some breast cancers become metastatic.

Awards: Estimated Total Program Funding: \$11,200,000

Proposal Deadline: Pre-Application Submission Deadline: 5:00 p.m. Eastern time (ET), June 24, 2020

• Invitation to Submit an Application: July 29, 2020

• Application Submission Deadline: 11:59 p.m. ET, October 6, 2020

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

Grant Program: DoD Multiple Sclerosis, Investigator- Initiated Research Award

Agency: Department of Defense Dept. of the Army – USAMRAA W81XWH-20-MSRP-IIRA

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

Brief Description: The MSRP was initiated in 2009 to provide support for pioneering concepts and high-impact research that are relevant to the prevention, etiology, pathogenesis, assessment, and treatment of multiple sclerosis (MS) to ultimately lessen its personal and societal impact.

All applications submitted to the FY20 MSRP Investigator-Initiated Research Award (IIRA) Program Announcements must address at least one of the following Focus Areas:

Central Nervous System Regenerative Potential in Demyelinating Conditions

Correlates of Disease Activity and Progression in Multiple Sclerosis

Biology and Measurement of Multiple Sclerosis Symptoms

Factors Contributing to Multiple Sclerosis Etiology, Prodrome, Onset, and Evolution

Awards: The FY20 appropriation is \$16.0M.

Proposal Deadline: Pre-Application Submission Deadline: 5:00 p.m. Eastern time (ET), June 17, 2020 •

Invitation to Submit an Application: July 2020 • Application Submission Deadline: 11:59 p.m. ET, October 1, 2020

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

Grant Program: Biological Technologies

Agency: Department of Defense DARPA - Biological Technologies Office HR001120S0044

Website: <https://beta.sam.gov/opp/4efd37762ed0475d871af927279f010d/view>

Brief Description: The mission of BTO is to foster, demonstrate, and transition breakthrough research, discoveries, and applications that integrate biology, engineering, computer science, mathematics, and the physical sciences. BTO's research investment portfolio includes combating pandemic disease, innovative physiological interventions, human performance and warfighter readiness, microbes as production platforms, and deep exploration of changing ecologies and environments on U.S. capabilities and resilience. BTO's programs operate across a wide range of scales, from individual cells to the warfighter to global ecosystems. BTO responds to the urgent and longterm needs of the Department of Defense (DoD) and addresses national security priorities. BTO is interested in submissions related to the following areas:

- Discovering and leveraging novel findings from biotechnology, biochemistry, molecular biology, neuroscience, psychology, cognitive science, and related disciplines to advance treatment and resilience in neurological health, transformative neural processing, and optimize human performance.
- Understanding and improving interfaces between the biological and physical world to enable seamless hybrid systems and revolutionary new human-machine interfaces.
- Designing novel materials, sensors, or processes that mimic or are inspired by biological systems.
- Leveraging and translating a biological system's underlying design rules, functional processes, and/or means of interactivity to provide insight into or control over complex biological systems from biofilms to organs.
- Developing new tools and capabilities for forward engineering of biological systems, such as cells, tissues, organs, organisms, and complex communities, to both develop new products and functional systems, as well as to gain new insights into underlying mechanisms.

Awards: Multiple awards are anticipated.

Proposal Deadline: Proposal Abstract Due Date and Time: Abstracts may be submitted on a rolling basis until 4:00 PM ET, April 22, 2021 o Full Proposal Due Date and Time: Proposals may be submitted on a rolling basis until 4:00 PM ET, April 22, 2021

Contact Information: BAA Coordinator BTOBAA2020@darpa.mil

Grant Program: CDMRP PRMRP Investigator-Initiated Research Award for Emerging Viral Diseases and Respiratory Health

Agency: Department of Defense W81XWH-20-PRMRP-IIRA-COV

Website: <https://www.grants.gov/web/grants/search-grants.html>
<https://cdmrp.army.mil/funding/pa/FY20-PRMRP-IIRA-COV.pdf>

Brief Description: All applications for this Program Announcement must specifically address at least one of the following Focus Areas and must be of clear scientific merit and direct relevance to military health. If the proposed research does not specifically address at least one of these Focus Areas, the Government will administratively withdraw the application. The FY20 PRMRP Focus Areas for Emerging Viral Diseases and Respiratory Health are listed below.

Emerging Viral Diseases

- On demand identification, isolation, characterization and manufacturing of antibodies (monoclonal or polyclonal) from peripheral blood mononuclear cells (PBMCs) collected from patients with coronavirus disease 2019 (COVID-19).
- Development of a wearable sensor that provides real-time diagnostics that can be used as a point of care for emerging viral diseases to predict illness before onset of symptoms. The diagnostic platform should be applicable to COVID-19. Virus-specific markers that can identify viruses at the genus level can be included, with an emphasis on SARS-CoV-2, the virus that causes COVID-19.
- Surveillance and predictive modeling tools that leverage artificial intelligence approaches to predict outbreaks and epidemics and support strategies for mitigating the threat of COVID-19.
- Triage of care for COVID-19 patients requiring access to resource-intensive interventions.
- Research to understand novel molecular and biological mechanisms of COVID-19 health impacts (e.g., microbiome) and identification/validation of biochemical, physiological, or combined biomarkers for evaluating short- and long-term health impacts from COVID-19.
- Research to determine direct and indirect impacts of COVID-19 on military readiness and unit climate; interpersonal/family dynamics; behavioral and mental health issues such as depression, suicide, anxiety, and loneliness and other key risk factors such as substance abuse and risky health-related behaviors. The aim of such research should be to inform, develop, and test potential behavioral countermeasures (e.g., knowledge and information products, preparedness training, support resources, self-care and team-care recommendations) to mitigate negative impacts and maximize Service member and family readiness/resilience to stressors related to pandemics and disasters.

Respiratory Health

- Research on the etiology and prevention of acute respiratory distress syndrome (ARDS) caused by host responses to coronaviruses, particularly COVID-19. • Development of improved methods for assessing and treating lung injury due to coronaviruses, particularly COVID-19.
- Novel and/or innovative detection technologies or therapeutics to reduce the incidence and/or severity of ARDS and/or other lung injury secondary to coronaviruses, particularly COVID-19.
- Development of biomarker metrics to associate the long-term health outcomes of virus-induced ARDS with degradation of physiological and physical performance.
- Ventilation and Extracorporeal Life Support approaches and technologies to support lung function or airway management in response to COVID-19 that increase survivability and/or minimize care provider burden or exposure.
- Pharmacological and biologic interventions for COVID-19 induced complications, including ARDS and related sequelae.

Awards: The anticipated direct costs budgeted for the entire period of performance for an FY20 PRMRP Investigator-Initiated Research Award will not exceed \$1.6M. The anticipated direct costs budget for the entire period of performance for an FY20 PRMRP Investigator-Initiated Research Award with the Partnering PI Option will not exceed \$2.0M.

Proposal Deadline: Pre-Application Submission Deadline: 5:00 p.m. Eastern time (ET), May 28, 2020 • Application Submission Deadline: 11:59 p.m. ET, June 12, 2020
Contact Information: CDMRP Help Desk Phone: 301-682-5507 Email: help@eBRAP.org

Grant Program: UNITED STATES MILITARY ACADEMY Broad Agency Announcement
Agency: Department of Defense Dept. of the Army – Materiel Command W911NF-20-S-0008

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

<https://www.westpoint.edu/centers-and-research/academic-research-division/research-overview>

Brief Description: This BAA sets forth research areas of interest to the United States Military Academy. This BAA is issued under paragraph 6.102(d)(2) of the Federal Acquisition Regulation (FAR), which provides for the competitive selection of basic and applied research proposals, and 10 U.S.C. 2358, 10 U.S.C. 2371, and 10 U.S.C. 2371b, which provide the authorities for issuing awards under this announcement for basic and applied research. The definitions of basic and applied research may be found at 32 Code of Federal Regulations (CFR) 22.105.

The USMA BAA seeks proposals from institutions of higher education, nonprofit organizations, state and local governments, foreign organizations, foreign public entities, and for-profit organizations (i.e., large and small businesses) for research based on the following campaigns: Socio-Cultural; Information Technology; Ballistics, Weapons, and Protections; Energy and Sustainability; Materials, Measurements, and Facilities; Unmanned Systems and Space; Human Support Systems; and Artificial Intelligence, Machine Learning, and Quantum Technologies.

Proposals are sought for cutting-edge innovative research that could produce discoveries with a significant impact to enable new and improved Army technologies and related operational capabilities and related technologies. The specific research areas and topics of interest described in this document should be viewed as suggestive, rather than limiting.

Awards: Various

Proposal Deadline: Prospective applicants contemplating submission of a whitepaper or proposal are encouraged to contact the appropriate Technical Point of Contact. BAA closes on March 31, 2025

Contact Information: Brandon S Hill Contract-Grant Specialist Phone 919-541-5532
brandon.s.hill24.civ@mail.mil

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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. More information about this is contained in the Notice of Funding Opportunity.

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 Phone 202-366-4957
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; (202) 720-0800

- [General Field Representatives](#)
-

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

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Department of Labor

Grant Program: Youth Apprenticeship Readiness Grant Program

Agency: Department of Labor FOA-ETA-20-06

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

Brief Description: The purpose of this program is to support the development of new or the expansion of existing Registered Apprenticeship Programs (RAP) for youth. This also includes quality pre-apprenticeship programs that lead to a RAP. This grant program supports the President's Executive Order and the Department of Labor, Employment and Training Administration's goals to promote pre-apprenticeships, to develop a strong youth apprenticeship pipeline, and to expand access to youth apprenticeships. As a result, the grant will: 1) Increase awareness and adoption of the earn-and-learn apprenticeship model as a solution for experiential learning at the secondary educational level; 2) Increase parental, young adult, and employer awareness around the benefits of youth participation in RAPs, as well as their engagement in these models; 3) Develop and expand the number of RAP opportunities for youth, ensuring they meet RAP standards and pre-apprenticeship programs are of high quality and lead to RAP; 4) Increase academic and career-focused learning among youth, based on sound assessments, to increase employability in the labor force; 5) Promote increased alignment between state education and workforce systems through the development of policies that facilitate the transition from school to a RAP; and 6) Increase RAP opportunities for all youth, particularly underrepresented populations (including women, people of color, ex-offenders, persons with disabilities), youth with barriers to employment, and out-of-school youth.

Awards: Up to \$5,000,000; Estimated Total Program Funding: \$42,500,000

Proposal Deadline: May 06, 2020

Contact Information: Andrea Chism Grants Management Specialist chism.andrea.n@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, peerreviewed, 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. It is expected that the majority of the research will be performed by early career investigators. Further, it is expected that significant resources will be allotted to early career investigators to perform the research.

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

Grant Program: National Environmental Education and Training Program

Agency: Environmental Protection Agency EPA-OA-EE-20-11

Website: <https://www.epa.gov/education/national-environmental-education-and-training-program-solicitation-notice-2020-rfa>

Brief Description: The purpose of the National Environmental Education and Training Program is to deliver environmental education (EE) training and long-term support to education professionals across the U.S. in the development and delivery of environmental education and training programs and studies.

Award: Under this competition, one cooperative agreement is expected to be awarded to a U.S.

institution of higher education, a not-for-profit institution or a consortium of such institutions. The total estimated funding for the first year of the award (FY 2020) is \$2,175,500. For planning purposes, funding for years two and three should be estimated to be \$2,175,500 per year, subject to the availability of funds and other applicable considerations.

Submission Deadline: The closing date and time for receipt of application submissions is May 29, 2020 by 11:59 pm Eastern Time (ET).

Contact: Ginger Potter U.S. Environmental Protection Agency WJ Clinton North, potter.ginger@epa.gov

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Department of Energy

Grant Program: Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002252

Agency: Department of Energy Office of Science DE-FOA-0002249

Website: <https://eere-exchange.energy.gov/#FoaId09466586-5279-4254-926d-219d2cf67dd5>

Brief Description: The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Advanced Manufacturing Office, a Funding Opportunity Announcement (FOA) entitled “FY20 Advanced Manufacturing Multi-topic FOA”.

This FOA supports the achievement of AMO’s goals of enhanced productivity through innovation by focusing in three main areas: 1) next-generation manufacturing for advancing process technologies that improve energy efficiency in energy intensive and energy dependent processes; 2) modular, hybrid, and/or catalytic processes to improve energy efficiency in chemical manufacturing; and 3) connected, flexible, and efficient manufacturing facilities, products and energy systems. The FOA integrates identified research opportunities across AMO into a single funding opportunity and is intended to fund high-impact, applied research and development projects.

THIS IS A NOTICE OF INTENT (NOI) ONLY. This Notice is issued so that interested parties are aware of the EERE’s intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE may issue a FOA as described herein, may issue a FOA that is significantly different from the FOA described herein, or EERE may not issue a FOA at all.

Awards: Estimated Total Program Funding: \$63,900,000

Letter of Intent: TBD

Submission Deadline: TBD

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

Grant Program: Artificial Intelligence and Decision Support for Complex Systems

Agency: Department of Energy DE-FOA-0002321

Website: https://science.osti.gov/-/media/grants/pdf/foas/2020/SC_FOA_0002321.pdf

Brief Description: The principal focus of this Program Announcement is on Scientific AI/ML for intelligent automation and decision support for complex systems (PRD #6). Foundational research (PRDs #1, 2, and 3) will be needed for strengthening the mathematical and statistical basis in developing predictive AI/ML-based computational models and adaptive algorithms for scientific advances. Also, new techniques, software tools, and approaches will likely be needed to reap scientific benefits from the extreme heterogeneity of scientific computing technologies (e.g., processors, memory and interconnect systems, sensors) that are emerging.

Disruptive technology changes are occurring across the science applications, algorithms, and architectures within HPC ecosystems. Recent reports and trends are heralding the triple convergence of HPC, massive data, and AI/ML on increasingly heterogeneous architectures. Furthermore, the concept of programming is evolving thanks to neural nets that can learn from massive amounts of training data (without being explicitly programmed). Significant innovations will be required in the development of good paradigms and approaches for realizing the full potential of AI/ML for scientific discovery. Consequently, the funding from this Announcement is not intended to incrementally extend current research in the area of the proposed project. Rather, the proposed projects must reflect viable strategies toward the potential solution of challenging problems in Scientific AI/ML research for decision support for complex systems. It is expected that the proposed projects will significantly benefit from the exploration of innovative ideas or from the development of unconventional approaches. Proposed approaches may include innovative research with one or more key characteristics, such as asynchronous

computations, mixed-precision arithmetic, automatic differentiation, compressed sensing, coupling frameworks, graph and network algorithms, randomization, Monte Carlo or Bayesian methods, probabilistic programming, or other relevant facets.

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: Submission Deadline for Pre-Application: May 6, 2020 at 5:00PM Eastern Time A Pre-Application is required Pre-Application Response Date: May 18, 2020

Submission Deadline: June 5, 2020 at 5:00PM Eastern Time

Contact: William Spotz, Ph.D. Program Officer Phone 301-903-9938
william.spotz@science.doe.gov

Grant Program: Novel Research and Development for the Direct Capture of Carbon Dioxide from the Atmosphere

Agency: Department of Energy DE-FOA-0002188

Website: <https://www.netl.doe.gov/business/solicitations>

Brief Description: DOE-Fossil Energy's program in Carbon Capture has been developing carbon capture technologies since 2001 with the goal of decreasing the cost of carbon capture systems. Technologies developed to date have focused on the capture of Carbon Dioxide directly from fossil fuel power plant gases. The Carbon Capture program is aiming to leverage this past research in materials and systems development for application to the conditions and process requirements of Direct Air Capture (DAC). However, there are several significant differences between these applications that will require applied research and the development of alternative capture media. The primary difference is the concentration of Carbon Dioxide

Awards: Up to \$2,500,000; Estimated Available Funding: \$10,000,000

Submission Deadline: May 29, 2020

Contact: Carla J. Winaught 304-285-4530 carla.winaught@netl.doe.gov

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NASA

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: Early Stage Innovations (ESI)

Agency: NASA NNH20ZDA001N-ACT

Website: <https://nspires.nasaprs.com/external/solicitations/summary!init.do?solId=%7B345FEEE2-EF27-604E-0AE0-4528D800AB04%7D&path=open>

Brief Description: The National Aeronautics and Space Administration (NASA) Headquarters has released a solicitation, titled Early Stage Innovations (ESI), as an appendix to the Space Technology Mission Directorate (STMD) umbrella NASA Research Announcement (NRA) titled "Space Technology Research, Development, Demonstration, and Infusion 2020 (SpaceTech-REDDI-2020), on June 17, 2020. The solicitation is available by opening the NSPIRES homepage at <http://nspires.nasaprs.com/> by selecting "Solicitations," then selecting "Open Solicitations," and, finally, selecting "Early Stage Innovations (ESI)."

The Appendix exclusively seeks proposals that are responsive to one of the six topics:

- Advanced High-Capacity Cryogenic Refrigeration Components
- Modeling of Lunar Dust Behavior and Mitigation Techniques
- Micromachining of Optical Structures for Remote Sensing Applications
- Modeling and Model Validation of Parachute Dynamics During Inflation and Descent
- Methodologies for Assessing Space Technology Portfolio Investments
- Advancement of Additive Manufacturing Techniques for High Temperature Materials

Awards: Maximum of \$650K

Notices of Intent Due: May 20, 2020 (5 PM Eastern)

Proposals Due: June 17, 2020 (5 PM Eastern, 2 PM Pacific)

Contact: Claudia Meyer Space Technology Research Grants Program Executive Space Technology Mission Directorate, NASA Headquarters hq-esi-call@mail.nasa.gov

Grant Program: National Space Grant College and Fellowship Program: Program-Level Independent Evaluation Opportunity

Agency: NASA NNH20ZHA006C

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BD56508-7C50-CD78-C04D-B7B779C7EE0D%7D&path=&method=init>

Brief Description: The purpose of this independent program-level impact evaluation is to 1) determine how and to what extent the Space Grant Program is designed and executed in alignment with federal law and NASA's STEM engagement goals and priorities; and 2) assess the impact and degree to which the Space Grant Program is achieving its intended outputs and outcomes on a national level. These efforts will provide Space Grant Program Management with robust evidence that can be used to drive future scaled evaluation strategy, program policy, data collection plans, and appropriated competitive awards.

Awards: Available funding: \$4750,000

Notices of Intent Due: June 5, 2020

Proposals Due: July 16, 2020

Contact: Erica J. Alston, Ph.D. Space Grant Deputy Manager Langley Research Center Mail Stop 033 Hampton, VA 23681 hq-space-grant@mail.nasa.gov

Grant Program: ROSES 2020: Advanced Component Technology

Agency: NASA NNH20ZDA001N-ACT

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7B7835B8DB-014B-AF9D-E3CD-8E21310F984D%7D&path=&method=init>

Brief Description: This ACT call seeks disruptive technology, i.e., that involves higher risk but also has the potential for greater impact. These disruptive technologies can come from inside or outside the traditional field of Earth Science remote sensing. For any technology advanced, proposers must define an instrument architecture along with the science measurement(s) enabled, and then describe the proposed critical component or subsystem and how the proposed technology will fit into the instrument architecture. A description of how the proposed technology is responsive to both goals of the ACT program as described in Section 1.2 is required. Although this program element does not request software development, proposers are asked to show, where appropriate, how innovations in artificial intelligence, machine learning, onboard processing, etc. could augment the proposed instrument architecture and/or could be used in the initial stages of the component or subsystem design.

Awards: Various; Available funding: \$4,800.000

Step 1 Proposal: May 22, 2020

Step 2 Proposal Deadline: July 21, 2021

Contact: Amber E. Emory, Science Mission Directorate, Earth Science Technology Office, NASA Telephone: 301-614-6274; Email: amber.emory@nasa.gov

Grant Program: ROSES 2020: Living With a Star Science

Agency: NASA NNH20ZDA001N-LWS

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BAC38BC99-9D0A-09ED-2E93-E1EBA0B8D39F%7D&path=&method=init>

Brief Description: The Living With a Star (LWS) Program emphasizes the science necessary to understand those aspects of the Sun and Earth's space environment that affect life and society. The ultimate goal of the LWS Program is to provide a scientific understanding of the system that leads to predictive capability of the space environment conditions at Earth, other planetary systems, and in the interplanetary medium. Every year the LWS Program solicits Focused Science Topics (FSTs) that address some part of this goal. This year's FSTs are described in Sections 1.2 and 2-5 below. This goal poses two great challenges for the LWS program. First, the program seeks to address large-scale problems that cross discipline and technique boundaries (e.g., data analysis, theory, modeling, etc.); and second, the program will identify how this new understanding has a direct impact on life and society. Over time, the Targeted Investigations have provided advances in scientific understanding that address these challenges.

Awards: Various; Available funding: \$5,000.000

Step 1 Proposal: August 27, 2020

Step 2 Proposal Deadline: November 12, 2021

Contact: Simon Plunkett Heliophysics Division Science Mission Directorate NASA Telephone: (202) 358-2034 Email: simon.p.plunkett@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

Grant Program: ROSES 2020: Heliophysics Supporting Research

Agency: NASA NNH20ZDA001N-HSR

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BBA3F017B-32B1-74F1-3DC5-0DC78AA76DB9%7D&path=&method=init>

Brief Description: Heliophysics Supporting Research (SR) awards are research investigations of significant magnitude that employ a combination of scientific techniques. These must include an element of (a) theory, numerical simulation, or modeling, and an element of (b) data analysis and interpretation of NASA-spacecraft observations. HSR is a component of the Heliophysics Research Program and proposers interested in this program element are encouraged to see B.1, The Heliophysics Research Program Overview for Heliophysics-specific requirements. Common requirements for all ROSES elements and proposals are found in the ROSES Summary of Solicitation and the Proposer's Guidebook and the order of precedence for proposers.

Awards: Various; Available funding: \$6.500.000

Notices of Intent Due: N/A

Proposal Deadline: November 18, 2020

Contact: Patrick Koehn; Email: patrick.koehn@nasa.gov

Grant Program: HELIOPHYSICS - Early Career Investigator Program

Agency: NASA NNH20ZDA001N-ECIP

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BBC6756FD-561A-B7A1-F68A-2A18E6851701%7D&path=&method=init>

Brief Description: The Early Career Investigator Program (ECIP) in Heliophysics is designed to support outstanding scientific research and career development of scientists at the early stage of their professional careers. The program aims to encourage innovative research initiatives and cultivate diverse scientific leadership in Heliophysics. This program is designed to foster the empowerment, inspiration, and education of the next generation of space researchers, as part of the E of the DRIVE (Diversify, Realize, Integrate, Venture, Educate) initiative put forward as a high priority recommendation of the 2013 Solar and Space Physics Decadal Survey.

Awards: Various, Available funding: \$1,500,000

Notices of Intent Due: N/A

Proposal Deadline: August 12, 2020

Contact: Katya Verner, Telephone: 202-358-1213 Email: Ekaterina.M.Verner@nasa.gov

Grant Program: ROSES 2020: Astrophysics Research and Analysis

Agency: NASA NNH20ZDA001N-APRA

Website: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BD4C56B9D-7FF4-D128-D82D-6BB8F4306D00%7D&path=&method=init>

Brief Description: The Astrophysics Research and Analysis Program (APRA) program solicits basic research proposals for investigations that are relevant to NASA's programs in astronomy and astrophysics and includes research over the entire range of photons, gravitational waves, and particle astrophysics. Awards may be for up to four years' duration (up to five years for suborbital investigations), but shorter-term proposals are typical; four-year or five-year proposals must be well justified. Proposals for suborbital investigations are particularly encouraged. APRA investigations may advance technologies anywhere along the full line of readiness levels, from Technology Readiness Level (TRL) 1 through TRL 9. The emphasis of this program element is on technologies and investigations that advance NASA astrophysics missions and goals.

Awards: Various

Notices of Intent Due: N/A

Proposal Deadline: December 17, 2020

Contact: Dominic J. Benford Astrophysics Division, (202) 358-1261 Dominic.Benford@nasa.gov

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National Endowment of Humanities

Grant Program: Research and Development

Agency: National Endowment for the Humanities 20200515-PR

Website: <https://www.neh.gov/grants/preservation/research-and-development>

Brief Description: The Research and Development program supports projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage—from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence—and to develop advanced modes of organizing, searching, discovering, and using such materials. This program supports projects at all stages of development, from early planning and stand-alone studies, to advanced implementation. Research and Development projects contribute to the evolving and expanding body of knowledge for heritage practitioners, and for that reason, outcomes may take many forms. Projects may produce any combination of laboratory datasets, guidelines for

standards, open access software tools, workflow and equipment specifications, widely used metadata schema, or other products.

Research and Development supports work on the entire range of humanities collection types including, but not limited to, moving image and sound recordings, archaeological artifacts, born digital and time-based media, rare books and manuscripts, material culture, and art. Applicants must demonstrate how advances in preservation and access through a Research and Development project would benefit the cultural heritage community by supporting humanities research, teaching, or public programming.

Awards: Tier I provides awards up to \$75,000; Tier II provides awards up to \$350,000

Deadlines:

Optional Draft due: April 10, 2020

Application due: May 15, 2020

Contact: Contact the Division of Research Programs Team 202-606-8200 fellowships@neh.gov

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NIH POCTRN

Fast-Track Program for COVID-19 Test Development and Distribution Innovative Technologies to Increase U.S. Capacity for COVID-19 Testing

<https://www.poctrn.org/radx>

NIH POCTRN is now accepting proposals for support on a rolling basis until further notice.

The National Institute of Biomedical Imaging and Bioengineering (NIBIB) is urgently soliciting proposals and **can provide up to \$500M** across multiple projects to rapidly produce innovative SARS-CoV-2 diagnostic tests that will assist the public's safe return to normal activities. *Rapid Acceleration of Diagnostics (RADx)*, is a fast-track technology development program that leverages the National Institutes of Health (NIH) Point-of-Care Technology Research Network ([POCTRN](#)). RADx will support novel solutions that build the U.S. capacity for SARS-CoV-2 testing up to 100-fold above what is achievable with standard approaches. RADx is structured to deliver innovative testing strategies to the public as soon as late summer 2020 and is an accelerated and comprehensive multi-pronged effort by NIH to make SARS-CoV-2 testing readily available to every American.

NIBIB is providing substantial support to accelerate the development, validation, and commercialization of innovative point-of-care and home-based tests, as well as improvements to clinical laboratory tests, that can directly detect SARS-CoV-2, the virus that causes COVID-19. NIBIB will support the full range of product development including commercialization and product distribution.

To address the COVID-19 pandemic as quickly as possible, NIBIB is mobilizing and expanding the focus of POCTRN to encompass both point-of-care and more traditional laboratory-based approaches. NIBIB will consider innovations at all stages of readiness to circumvent current limitations to SARS-CoV-2 testing capacity, including:

- **Early stage:** transformative innovations based on novel testing strategies that have potential for major scale up
- **Advanced stage:** modification and optimization of existing SARS-CoV-2 testing approaches, including clinical laboratory tests, that can dramatically increase testing capacity

Design features might include technical innovations that:

- **Improve analytical performance**, e.g., sensitivity, specificity, dynamic range, limit of detection, reliability, accuracy, speed (time to test result) and throughput
- **Enhance operational performance** through, e.g., development of a patient- and user-friendly design, use of alternative sampling strategies (e.g., saliva, exhaled breath), integration with mobile-devices, designs for home-based use or strategies to overcome bottlenecks with current testing approaches
- **Improve access and reduce the cost of testing**

RADx will provide resources to support all phases of the product development pipeline from conceptualization and design to reduction-to-practice, performance evaluation, clinical validation, and scale-up of manufacturing.

DARPA Transition and Commercialization Support Program and SBIR/STTR RFPs

[DARPA-PA-19-03-07](#) Cooperative Secure Learning (CSL)

Agency: DARPA/I2O

Proposals in response to this notice are due no later than June 2, 2020, 12:00 noon (ET). The CSL effort will develop methods to protect the data, models, and model outputs among a community of entities desiring to securely share their information towards better informed ML model development. CSL will enable multiple parties to cooperate for the purpose of improving each other's ML models while assuring that each entity's individual, pre-existing datasets and models will remain private. This effort will develop working prototypes of computational techniques for improving ML models, and provide insights and methods that support privacy preservation and data security. Underlying algorithms will be evaluated based on their accuracy and privacy as well as their computational feasibility.

SBIR/STTR OPPORTUNITIES:

[FA8771-20-S-0001](#) PEO BES Pitch Day BAA

Agency: Department of the Air Force

April 30, 2020: DoD begins accepting proposals; May 29, 2020: Deadline for receipt of proposals no later than 4:00 p.m. EST

BAA for SBIR Phase I awards for the Air Force BES Pitch Day. Topics: Modernizing Legacy Applications; Translation of Business Models to Low Code Applications; Architecture Conversion Tool.

[SN-NASASBIR-RFI-2020](#)

NASA SBIR/STTR Request for Information

Agency: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Response Date: May 18, 2020 05:00 pm EDT

Feedback on the FY 2020 Subtopics; Submissions Electronic Handbook (EHB) and Help Desk and Civilian Commercialization Readiness Pilot Program (CCRPP) Program.

[HR001120S0019](#)

Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR)

Agency: DARPA

Overarching BAA effective till Dec 31, 2020 11:59 pm EST. Respond against topics to be issued. Submissions due no later than 2:00 pm ET, May 26, 2020

[HR001120S0019-06](#) SBIR/STTR Opportunity: Open Source Wide Band Software Defined Acoustic Modem Phase I and Direct to Phase II (DP2) Technology Area(s): Battle Space, Ground/Sea Vehicles
DARPA Program: 1) Expeditionary Maritime Mine Countermeasures UUV; 2) Manta Ray
Develop a highly modular and wide band software defined acoustic communication system for incorporation into predefined unmanned underwater vehicle (UUV) payload volumes to provide a reliable alternative to legacy acoustic modems.

[HR001120S0019-05](#) SBIR/STTR Opportunity: Wearable Laser Detection and Alert System
Phase I Only; Technology Area(s): Battle Space, Electronics, Sensors
Develop a lightweight (~100 grams or less) laser alert sensor system that can act as a stand-alone system and be personnel-wearable that can detect laser irradiation from 450 to 1600 nanometers at energies of 500 microwatts/cm² and greater to warn personnel of potential ocular damage or damage to electro-optical and infrared sensors in near-real time.

[HR001120S0019-04](#) SBIR/STTR Opportunity: Seabed Simulation Synthesis
Phase I only; Technology Area(s): Ground/Sea Vehicles, Sensors
DARPA Program: Angler to develop and demonstrate a system that generates spatially and environmentally accurate 3D, continuous simulation models of seabed environments from raw underwater sensor sources (e.g. medium frequency sonar, high frequency sonar, electro-optical, structured light). The objective is to rapidly create realistic simulation environments, without human artistic or analytic augmentation to enable mission planning, reconstruction or training.

NSF SBIR/STTR Phase I Proposals Addressing COVID-19 related
<<https://nsf.gov/pubs/2020/nsf20065/nsf20065.jsp>> - COVID-19
Proposal pitch submission windows for 2020 are: March 6, 2020 - June 4, 2020; June 5, 2020 - September 3, 2020; September 4, 2020 - December 3, 2020; Full proposal by invitation.
focused on the development and deployment of new technologies, products, processes, and services with the potential to positively impact the nation's and world's ability to respond to the COVID-19 crisis. Areas of research that might be considered include, but are not limited to: artificial intelligence, digital health, diagnostics, distributed ledger, environmental technologies, medical devices, pharmaceutical technologies, disinfection and sterilization, and filtration and separations.

Register for the AFWERX COVID-19 Response Team<<https://www.afwerx.af.mil/coronavirus.html>>
Submission categories: 1. Combating the Spread (predictive analytics, next hotspot, threat to current activities, decision support, etc.); 2. Welfare of citizens (effects to transportation, movement of people and goods, education and development, physical training, regular HR functions, job transition, etc.); 3. Readiness (continuing operations through the outbreak, coordinating with allies and partners, continuing long term projects, etc.); 4. Logistics (security and protection, supply chain protection and assessment, etc.); 5. Industrial base impacts (small businesses, payments, contracts, large system programs, protection and expansion of critical assets, etc.); 6. Medical (telehealth, medical capacity and sustainment, medical supplies and equipment, etc.); 7. Other.

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Private Foundations

Brain Health Foundation

Grant Program: 2021 Scientific Innovations Award

Agency: Brain Research Foundation

Website: <https://www.thebrf.org/>

Brief Description: [Brain Research Foundation](#) is inviting your institution to nominate **one senior faculty member** to submit a Letter of Intent for the 2021 *Scientific Innovations Award* (SIA). The objective of the program is to support projects that may be too innovative and speculative for traditional funding sources but still have a high likelihood of producing important findings. It is expected that investigations supported by these grants will yield high impact findings and result in major grant applications and funding as well as significant publications in high impact journals. To be eligible, the nominee must be a **full-time associate professor/full professor** working in the area of neuroscience and brain function in health and disease. **Current major NIH or other peer-reviewed funding is preferred but evidence of such funding in the past three years is essential.**

Awards: The grant period is for two years totaling \$150,000.

Proposal Deadline: For more information, please download the guidelines here [SIA Guidelines](#). The deadline to submit an LOI is Thursday, June 25, 2020 at 4:00 p.m. CST.

Contact: Please contact Richard Rosenberg at rnr@njit.edu if you are interested in submitting a proposal.

Facebook

Grant Program: Facebook Research

Agency: Facebook

Website: <https://research.fb.com/>

Brief Description: Various Programs: Please see below.

Explorations of Trust in AR, VR, and Smart Devices

Facebook is soliciting proposals to help accelerate research in these fields with the hope of helping to foster a world of trustworthy mixed-reality and smart device products. Facebook is interested in a broad range of topics relating to applications like AR glasses, VR headsets, other AR or VR form-factors, smart home products, and more. A total of up to four awards are available, up to \$75,000 each.

<https://research.fb.com/programs/research-awards/proposals/explorations-of-trust-in-ar-vr-and-smart-devices-request-for-proposal/>

Deadline: June 12

Contact: Please contact Richard Rosenberg at rnr@njit.edu if you are interested in submitting a proposal.

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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 <http://www.njit.edu/research/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 Business Continuity Plan (<https://www.njit.edu/coronavirus>)

The NJIT Proposal Submission Guidelines and Policy posted on the website <https://research.njit.edu/research-policies> provides the expected institutional timeline for proposal submission. These guidelines are especially important as the current situation, both at NJIT and our sponsors, may result in unforeseen complications.

- **1 month (or earlier) before the due date:** PIs should work with their college director or project manager to initiate the proposal submission process in Streamlyne, which should include the proposal identification number (NSF, NIH) and/or the RFP document. This will allow:
 - preliminary review of needs and sponsor requirements (meeting recommended)
 - set up the timeline in motion and internal checklist/deadlines
 - collaborator outreach and intake requirements (where applicable)
 - set up the budget and Streamlyne document development process
- **1 month - 2 weeks before due date:** The budget should be finalized and the approval process should be initiated. This includes academic approvals, conflict of interest forms, the detailed budget and justification, proposal title, and preliminary specific aims (NIH), proposal summary (NSF), or contract scope of work (SOW). College directors and program managers will provide project-specific checklists to aid PIs in this process.
- **2 weeks - 1 week before the due date:** submit all required internal attachments. College directors or project managers will assist in this process.
- **72 hours before the submission deadline:** We are suggesting that all final proposals be released for submission 72 hours before the deadline so that there is time to account for server delays, system outages, and other technical issues that may be more difficult to troubleshoot in a completely distributed work environment, both at NJIT and our sponsors.

Proposal Submission and Pre-Award Management Contacts

Questions about proposal submission should be directed to their college director or project manager. PIs should follow up with their support person in a timely manner so planning can be managed with respect to proposal complexity, scope of support, special needs, and volume related to multiple submissions with the same due date. The following are the respective college contacts:

NCE: John McCarthy, NCE Director of Research; (973) 596-3247; john.p.mccarthy@njit.edu

NCE: Deidra Slough, Grant Management Specialist, (973)-596-3428; deidra.l.slough@njit.edu
CSLA: Cristo Leon, CSLA Director of Research; (973) 596-6426; cristo.e.yanezleon@njit.edu
CSTR: Felicia Margolies, Project Manager, (973)-596-5377 felicia.h.margolies@njit.edu
YWCC: Sean Andrews, YWCC Director of Research; (973) 596-5352; sean.t.andrews@njit.edu
HCoAD and MTSM: Interim POC: Justin Samolewicz, Director (Pre Award); (973)-596-3145; justin.m.samolewicz@njit.edu; **Iris Pantoja**, Project Manager; 973-596-4483; irp3@njit.edu (on maternity leave)
NJII and T&BD: Bobby J. Vadasserril; (973)-596-2941; bobby.j.vadasserril@njit.edu

Follow up messages or needs for escalation should be directed to:

- **Justin Samolewicz**, Director of Pre-Award Services, (973) 596-3145; justin.m.samolewicz@njit.edu
- **Eric Hetherington**, Executive Director, Sponsored Research Programs Administration, at (973) 596-3631; eric.d.hetherington@njit.edu as needed.

Streamlyne User Manuals: <http://www.njit.edu/research/streamlyne/>

- **Steamlyne_NewUserManual_CommonElements.docx** : This manual provides a reference to all the common elements of Streamlyne Research. This user manual is a good document to review each module's functionality.
- **Steamlyne_NewUserManual_PD&PDBudget.docx**: This is a user manual on proposal and budget development in Streamlyne. The content herein explain the use and functionality of this module. This is the most useful Streamlyne document for PIs and users new to Streamlyne.

Post Award Management Contacts

The Office of Research continues to provide assistance with post-award financial management with all staff working remotely. PIs or administrative staff with questions regarding the budget transfers, PAFs, questions concerning expenses, or other financial matters related to their grants should contact the appropriate person for their department listed below.

NCE, ITS Resource Center, PTAC:

Hattie Yeung, (973) 596-5734; hiumui.yeung@njit.edu

CSLA, CSTR, YWCC, HoAD, MTSM:

Kedeisha Carty, (973) 642-4295; kedeisha.s.carty@njit.edu

NJTPA, EOP, Pre-College, College Bound, Gear UP, McNair Center:

Brenda Garcia, (973) 596-2945; brenda.garcia@njit.edu

NJII and T&BD:

Bobby J. Vadasserril; (973)-596-2941; bobby.j.vadasserril@njit.edu

Follow up messages or needs for escalation should be directed to:

- **Mariel Diaz**, Director of Post-Award Management, (973) 596-2962; mariel.diaz@njit.edu
- **Eric Hetherington**, Executive Director, Sponsored Research Programs Administration, at (973) 596-3631; eric.d.hetherington@njit.edu as needed.

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Coronavirus (COVID-19) Information on Sponsored Research Impact

Updated May 3, 2020

The Office of Research will continue to compile links for agency-specific guidance. The updates will be included in forthcoming Office of Research Newsletters and also posted on website <https://research.njit.edu/>.

Council on Government Relationships Resources on COVID-19's Impact to Federal Awards

- COGR Resource Information [*Institutional and Agency Responses to COVID-19 and Additional Resources*](#) (Updated Regularly)
- [COGR's Federal Agency Guidance Matrix \(XLS\)](#) (Revised April 28, 2020)
- [FAQ Addendum #1: NIH Specific FAQs \(Updated\)](#) (Revised April 13, 2020)
- [FAQ Addendum #2: Costing and Financial Compliance FAQs \(Updated\)](#) (Revised May 1, 2020)
- [FAQs Regarding COVID-19's Impact to Federal Awards \(V.2.2\)](#) (Revised April 8, 2020)
- [Multi Association Request to OMB on Expansion of M-20-11 for Administrative Relief](#) (Revised March 18, 2020)

Office of Management and Budget

- M-20-22: [Preserving the Resilience of the Federal Contracting Base in the Fight Against the Coronavirus Disease 2019 \(COVID-19\)](#) (4/17/20)
- M-20-21: [Implementation Guidance for Supplemental Funding Provided in Response to the Coronavirus Disease 2019 \(COVID-19\)](#) (4/10/20)
- 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)
- M-20-18: [Managing Federal Contract Performance Issues Associated with the Novel Coronavirus \(COVID-19\)](#) (March 20, 2020)
- OMB M-20-17: [Administrative Relief for Recipients and Applicants of Federal Financial Assistance Directly Impacted by the Novel Coronavirus \(COVID-19\) due to Loss of Operations](#) (March 19, 2020)
- M-20-11: [Administrative Relief for Recipients and Applicants of Federal Financial Assistance Directly Impacted by the Novel Coronavirus \(COVID-19\)](#) (March 9, 2020)

National Institutes of Health (NIH)

Information on research impact:

- <https://www.nih.gov/health-information/coronavirus>
- https://grants.nih.gov/grants/natural_disasters/corona-virus.htm

On grant management:

- <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-083.html>
- <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-082.html> (Application deadlines)
- <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-091.html> (Late application policy)
- [Coronavirus Disease 2019 \(COVID-19\): Information for NIH Applicants and Recipients](#)

- [FAQ – COVID-19 Flexibilities for Applicants and Recipients](#)
- [Extramural Response to Natural Disasters and Other Emergencies](#) (continuously updated)
- [General Frequently Asked Questions \(FAQs\) - Proposal Submission and Award Management Related to COVID-19 \(NOT-OD-20-083\)](#)
- [Guidance for NIH-funded Clinical Trials and Human Subjects Studies Affected by COVID-19 \(NOT-OD-20-087\)](#)
- [Flexibilities for Assured Institutions for Activities of Institutional Animal Care and Use Committees \(IACUCs\) Due to COVID-19 \(NOT-OD-20-088\)](#)
- [Guidance on Travel and Meetings Hosted by NIH](#)
- [OLAW Webinar: Pandemic Contingency Planning and Its Impact on Animal Care](#)
- [NIH Shifts Non-mission-critical Laboratory Operations to Minimal Maintenance Phase](#)
- [Research and Funding Opportunities](#)
- [NIH Message to Applicants and Recipients of NIH Funds on Flexibilities Needed for COVID-19 \(video\)](#)
- [National Library of Medicine Expands Access to COVID-19 Literature through PubMed Central](#)
- [Late Application Policy Due to Public Health Emergency for US Due To COVID-19 \(NOT-OD-20-091\)](#)
- [Updated on COVID-19 Flexibilities for the Research Community \(video\)](#)

National Science Foundation (NSF)

- [NSF Implementation of OMB Memorandum M-20-20](#) (April 10, 2020)
- [Frequently Asked Questions \(FAQs\) regarding the NSF Dear Colleague Letter on the Coronavirus Disease 2019 \(COVID-19\) \(NSF 20-052\)](#) (Updated 4/6/20)
- [NSF Implementation of OMB Memorandum M-20-17](#) (Revised April 1, 2020)
- https://www.nsf.gov/bfa/dias/policy/covid19/covid19faqs_proposerandawardee.pdf (Revised April 2, 2020)
- [Impact on Existing Deadline Dates](#)
- [FAQ About the Coronavirus Disease 2019 \(COVID-19\) for National Science Foundation \(NSF\) Proposers and Awardees](#)
- [Important Notice No. 146 - NSF Letter to Community Regarding COVID-19](#)
- [NSF Guidance for Major Facilities and Contracts Regarding COVID-19](#)
- [NSF Responses to Natural Disasters](#)
- [Coronavirus Information](#)
- [Frequently Asked Questions \(FAQs\) About the Coronavirus Disease 2019 \(COVID-19\) for National Science Foundation \(NSF\) Panelists](#)
- [NSF information concerning coronavirus disease 2019 \(COVID-19\)](#)
- [Dear Colleague Letter on the Coronavirus Disease 2019 \(COVID-19\)](#)
- [BIO-Wide Virtual Office Hours](#)

NSF Research on Coronavirus (COVID-19)

- [Dear Colleague Letter on the Coronavirus Disease 2019 \(COVID-19\) — RAPID](#)
 - [Frequently Asked Questions \(FAQs\) regarding the NSF Dear Colleague Letter on the Coronavirus Disease 2019 \(COVID-19\) \(NSF 20-052\)](#)

- [Dear Colleague Letter: Provisioning Advanced Cyberinfrastructure to Further Research on the Coronavirus Disease 2019 \(COVID-19\) — RAPID](#)
- [Dear Colleague Letter: Request for SBIR/STTR Phase I Proposals Addressing COVID-19](#)
- [NSF Supporting Research to Address Coronavirus Disease blog](#)

US Department of Energy

- [ARPA-E Actions Owing to the COVID-19 Public Health Emergency](#) (April 3, 2020)
- [Accommodating Interruptions from Coronavirus Disease 2019 \(COVID-19\)](#)
- [Department of Energy Letter Addressing Coronavirus \(COVID-19\)](#)
- [Coronavirus Hub](#)

Department of Transportation

- [U.S. Department of Transportation Announces Deadline Extension for Federal Transit Administration Competitive Grant Programs](#) (3/27/20)

United States Army Medical Research Acquisition Activity (USAMRAA)

- [USAMRAA's Supplemental Guidance on Administrative Flexibilities for Grants and Cooperative Agreements in Response to COVID-19 Pandemic](#) (3/25/20)
- [USAMRAA Animal Research Guidance](#) (3/19/20)
- [FAQs on COVID-19's Impact to Human Subjects Research](#)

Defense Advanced Research Projects Agency (DARPA)

- [COVID-19 Guidance USD\(R&E\)](#)
- [Frequently Asked Question \(FAQ\) about COVID-19 \(Coronavirus\) for DARPA Performers](#) (March 19)

Department of Defense (DOD)

- [ALLOW EXEMPTIONS FOR DOD FINANCIAL ASSISTANCE RECIPIENTS AFFECTED BY THE LOSS OF OPERATIONAL CAPACITY AND INCREASED COSTS DUE TO THE COVID-19 CRISIS](#)
- [COVID-19 FAQs for Grant Applicants and Recipients](#) (3/26/20)
- [Frequently Asked Questions for DOD Research Proposers and Awardees Impacted by the Novel Coronavirus \(COVID-19\)](#) (3/24/20)

National Air and Space Administration (NASA)

- [NASA COVID -19 For Grantees](#)
- [NASA Implementation of OMB Memorandum M-20-17](#) (Undated)
- [Grants and Research during the COVID-19 Epidemic](#) (3/25/20)
- [Administrator Statement on Agency Response to Coronavirus](#) (March 19)
- [COVID-19 Impact to NASA SBIR/STTR Program](#)
- [Coronavirus Information](#)

- [Assistant Administrator for Procurement Message on Coronavirus](#)
- [Memorandum for NASA Contractor Community - Preserving Readiness of the Space Industrial Base and Mission Operational Readiness due to COVID-19](#)

USDA - National Institute of Food and Agriculture

- [NIFA-20-006 Implementation of OMB Memo M-20-17](#) (4/9/20)
- [NIFA FAQs for Grantees](#) (4/8/20)
- [NIFA Deadline Extensions due to COVID-19](#) (3/18.20)

Food and Drug Administration

- [FDA Guidance on Conduct of Clinical Trials of Medical Products during COVID-19 Pandemic](#)
- [FAQs on 3D Printing of Medical Devices, Accessories, Components, and Parts During the COVID-19 Pandemic](#)
- [FDA - Flexibilities Available to Applicants and Recipients of Federal Financial Assistance Affected by COVID-19](#) (3/26/20)

Department of Health and Human Services

- [OHRP Issues Guidance for Application of the Human Subjects Protection Regulations to Actions Taken in Response to the COVID-19 Pandemic](#) (4/9/20)
- [Preparation for Potential COVID-19 Impact on Contract and Contractor Performance](#) (3/14/20)
- [Administration for Children and Families \(ACF\) Grantees and Recipients- Information Memorandum: IM-ACF-OA-2020-01](#) (3/31/20)
- [ORI Operations Status during Public Health Emergency for United States for 2019 Novel Coronavirus \(COVID-19\)](#)

Environmental Protection Agency

- [EPA Frequent Questions on Grant Issues in Response to the Novel Coronavirus \(COVID-19\) Public Health Emergency](#) (3/27/20)

National Endowment for the Arts (NEA)

- [National Endowment for the Arts FAQs and Information for Applicants and Grantees in response to COVID-19](#)

National Endowment for the Humanities (NEH)

- [NEH Press Release: Information on NEH and COVID-19](#)