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CARES Act COVID-19 Opportunities

**NIH Director’s Transformative Research Award Program COVID-19 R01** DUE September 30  
RFA-RM-20-020 supports exceptionally innovative and/or unconventional research projects with the potential to create or overturn fundamental paradigms. Multiple Principal Investigators and large budget applications are welcome. Funding is made to the RM-20-020 through the Common Fund’s High-Risk, High-Reward Research program, which was created to “accelerate the pace of biomedical, behavioral and social science discoveries by supporting exceptionally creative scientists with highly innovative research.”

**Collaborative Team Science Opportunities**

**Research at the Interface of Biological and Mathematical Sciences – NSF and NIGMS** DUE September 18  
The Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences (MPS) at the National Science Foundation (NSF) and the National Institute of General Medical Sciences (NIGMS) at the National Institutes of Health (NIH) plan to support fundamental research in mathematics and statistics necessary to answer questions in the biological and biomedical sciences. Both agencies recognize the need to promote research at the interface between mathematical and life sciences. This program is designed to encourage new collaborations, as well as to support innovative activities by existing teams.

**Education Research Grants**

**Research Experiences for Undergraduates (REU): Sites and Supplements – NSF** DUE August 26  
REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department or may offer interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. (2) REU Supplements may be included as a component of proposals for new or renewal NSF grants or cooperative agreements or may be requested for ongoing NSF-funded research projects.

**Agriculture and Food Research Initiative – Education and Workforce Development (EWD) – USDA AFRI** DUE September 24  
The EWD focuses on developing the next generation of research, education, and extension professionals in the food and agricultural sciences. In FY 2020, EWD invites applications in five areas: professional development for agricultural literacy; training of undergraduate students in research and extension; fellowships for predoctoral candidates; fellowships for postdoctoral scholars, and a brand new program for agricultural workforce training.

**Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (INCLUDES) – NSF.** LOI required DUE October 5. FP DUE January 26. Funding supports 1-3 applications NSF-wide. 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.

Environmental and Life Sciences

**Hydrologic Sciences - NSF DUE At any time.** The NSF 20-560 supports basic research on the fluxes of water in the terrestrial environment that constitute the water cycle as well as the mass and energy transport function of the water cycle.

**NCBC FY2021 Flash Grant Cycle I – DUE Aug. 12 @ Noon.** Flash grants support short, tightly focused research projects that offer novel proof-of-concept or feasibility testing on antibiotics and therapeutics targeting antibiotic-resistant bacteria.

**Recovery Implementation Grant – DOI Fish and Wildlife Service DUE Sept 4.** The principal objective of this Recovery Implementation funding opportunity is to promote and support the implementation of recovery plans for federally endangered and threatened species.

**NIH Director’s Transformative Non-COVID-19 Research Awards R01 – DUE September 30.** The RFA-RM-20-013 supports exceptionally innovative and/or unconventional research projects with the potential to create or overturn fundamental paradigms. Multiple Principal Investigators and large budget applications are welcome. Funding is made to the RM-20-013 through the Common Fund’s High-Risk, High-Reward Research program, which was created to “accelerate the pace of biomedical, behavioral and social science discoveries by supporting exceptionally creative scientists with highly innovative research.”

**Plant Biotic Interactions – NSF DUE At any time.** The NSF 20-576 supports research on the processes that mediate beneficial and antagonistic interactions between plants and their viral, bacterial, oomycete, fungal, plant, and invertebrate symbionts, pathogens and pests. This is a joint NSF/NIFA (USDA NIFA) program supporting emerging model and non-model systems, and agriculturally relevant plants.

**Division of Integrative Organismal Systems Core Programs – NSF DUE At any time.** The IOS Core Programs Track 20-536 supports research aimed at understanding why organisms are structured the way they are and function as they do. Areas of inquiry include but are not limited to: developmental biology and the evolution of developmental processes, nervous system development, structure, modification, function, and evolution; biomechanics and functional morphology,
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physiological processes, symbioses and microbial interactions, interactions of organisms with biotic and abiotic environments, plant and animal genomics, and animal behavior.

**Humanities and Fine Arts & Communications**

**Fulbright U.S. Scholar Exchange** DUE Sept. 15. Several types of scholar exchange possibilities are available here for 2021-2022. Explore eligibility.

**Humanities Connections Planning Grants – NEH** DUE September 16 OUTPUT: Curriculum, Community Partnerships, Faculty Development, Teaching Resources. Awards will support innovative curricular approaches that foster productive partnerships among humanities faculty and their counterparts in the social and natural sciences and in pre-service or professional programs (such as business, engineering, health sciences, law, computer science, and other technology-driven fields), in order to encourage and develop new integrative learning opportunities for students.

**Humanities Connections Implementation Grants – NEH** DUE September 16. OUTPUT: Linked Courses, Curriculum, Community Partnerships, Faculty Development, Teaching Resources. Implementation Grants support the interdisciplinary collaboration of faculty from two or more separate departments or schools (a minimum of one in and one outside of the humanities), with the implementation of a sustainable curricular program or initiative as the outcome.

**Archaeological and Ethnographic Field Research – NEH** DUE September 30. OUTPUT: Public Lecture or Presentation, Book, Article, Digital Material and Publication, Book Section, Database/Archive/Digital Edition, Field Report. This is a new funding opportunity! Projects may be led by individuals with institutional affiliation or by teams of collaborating scholars from the same or multiple eligible institutions. Awards provide up to three years of support for fieldwork and data processing.

**Residential Fellowships 2021-2022 – National Humanities Center** DUE October 8. Located in the Research Triangle, fellowships are granted to scholars from around the world.

**Dialogues on the Experience of War – NEH** DUE October 14. OUTPUT: Curriculum, Community Partnerships, Discussion Groups, Facilitator Training. The program supports the study and discussion of important humanities sources about war, in the belief that these sources can help U.S. military veterans and others think more deeply about the issues raised by war and military service. Dialogues is primarily designed to reach military veterans; however, men and women in active service, military families, and interested members of the public may also participate.

**Support for New Faculty**

**High-Risk Research in Biological Anthropology and Archaeology (HRRBAA)** DUE Anytime OPEN to Junior Faculty who must contact the cognizant NSF Program Director before submitting an HRRBAA proposal. Anthropological research may be conducted under unusual circumstances.
often in distant locations. As a result, the ability to conduct potentially important research may hinge on factors that are impossible to assess from a distance and some projects with potentially great payoffs may face difficulties in securing funding. This program gives small awards that provide investigators with the opportunity to assess the feasibility of an anthropological research project. It is required that the proposed activity be clearly high risk in nature. The information gathered may then be used as the basis for preparing a more fully developed research program.

NIH Exploratory/Developmental Research Grant Program – R21 DUE Oct. 16
PA-20-195, Parent R21 Exploratory/Developmental Grant, Clinical Trial Not Allowed
PA-20-196, Parent R21 Exploratory/Developmental Grant, Basic Experimental Studies with Humans Required
The NIH Exploratory/Developmental Grant supports exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. 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. This Parent Funding Opportunity Announcement requires that at least 1 clinical trial be proposed. The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on their scientific missions.

Pipeline Grants Competition – Russell Sage Foundation DUE November 4. For early- and mid-career researchers in collaboration with the Economic Mobility and Opportunity program at the Bill & Melinda Gates Foundation, the competition seeks to promote diversity in the social sciences broadly, including racial, ethnic, gender, disciplinary, institutional, and geographic diversity. Early and mid-career faculty who have not previously received support from RSF in the form of a Trustee or Presidential research grant or a visiting fellowship from RSF are eligible to apply.

Physical Sciences Opportunities

Research Experiences for Teachers (RET) in Engineering and Computer Science – NSF DUE September 30. RET Site opportunity supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) in-service and pre-service teachers, full-time community college faculty, university faculty and students, and industry partners to enhance the scientific disciplinary knowledge and capacity of the STEM teachers and/or community college faculty through participation in authentic summer research experiences with engineering and computer science faculty researchers.

Division of Physics: Investigator-Initiated Research Projects – NSF DUE October 19. Physics of Living Systems This solicitation covers three possible award types:

- individual investigator and group awards with standard time cycles;
- midscale instrumentation; and
- awards that anticipate long-term support.
Research at Undergraduate Institutions (RUI) proposals should be submitted through a separate solicitation (NSF-14-579), following the documentation requirements therein. Such proposals must be submitted by the deadline listed in this division-wide solicitation that corresponds to the closest disciplinary match. RUI proposals should also follow the additional requirements specified in the sub-section labeled Additional Information in section (V.A).

**Interfacial Engineering – NSF DUE Anytime** The goal of the Interfacial Engineering program is to support fundamental research on atomic- and molecular-scale interfacial phenomena and engineering of interfacial properties, processes, and materials. Fundamental understanding of the thermodynamic, kinetic, and transport properties of interfacial systems underpins improvements in chemical process efficiency and resource utilization. As such, proposed research should have a clear vision for how the results will translate to practice in or otherwise advance industrial chemical or biochemical processes. The program encourages proposals that present new approaches to long-standing challenges or address emerging research areas and technologies. Collaborative and interdisciplinary proposals are also encouraged, particularly those that involve a combination of experiment with theory or modeling.

**Nanoscale Interactions DUE Anytime** This solicitation is a part of the Environmental Engineering and Sustainability cluster. The goal of the Nanoscale Interactions program is to support research to advance fundamental and quantitative understanding of the interactions of nanomaterials and nanosystems with biological and environmental media.

**Social and Behavioral Sciences**

**Human-Environment and Geographical Sciences Program – NSF DUE August 18 & January 21.**
The Directorate for Social, Behavioral and Economic Sciences Division of Behavioral and Cognitive Sciences introduces the HEGS as formally the GSS opportunity. The objective of HEGS program is to support basic scientific research about the nature, causes, and/or consequences of the spatial distribution of human activity and/or environmental processes across a range of scales. Projects about a broad range of topics may be appropriate for support if they enhance fundamental geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns. Recognizing the breadth of the field’s contributions to science, the HEGS Program welcomes proposals for empirically grounded, theoretically engaged, and methodologically sophisticated geographical research.

**Promoting Research on Music and Health: Phased Innovation Award for Music Interventions – R16/R33 – Joint-sponsored NEA and the NIH DUE October 2**
Exploratory/Developmental Phased Award mechanism. This is a new funding opportunity that with the need for a multidisciplinary approach, collaborations among basic researchers, translational science researchers, music intervention experts, other clinical researchers, music health professionals, and technology development researchers are encouraged. The R61 phase will provide funding to either investigate the biological mechanisms or behavioral processes underlying music interventions in relevant animal models, healthy human subjects, and/or clinical populations, or can be used to
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develop innovative technology or approaches to enhance music intervention research. The second R33 phase will provide support for further mechanistic investigations in human subjects or animal models, intervention development, or pilot clinical studies. The pilot clinical studies may focus on intervention optimization/refinement, feasibility, adherence, and/or identification of appropriate outcome measures to inform future clinical research.

Supplemental Support

Other Proposals Accepted at Any Time
Atmospheric Chemistry – NSF
Climate and Large-Scale Dynamics – NSF
Democracy Small Grants Program General Competition – U.S. Embassy Ukraine
Division of Environmental Biology (core programs) (DEB) – NSF
Division of Integrative Organismal Systems of Core Programs - NSF
Earth Sciences (EAR/IF) Instrumentation and Facilities Program - NSF
Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA) – NSF
High-Risk Research in Biological Anthropology and Archaeology – NSF
Hydrologic Sciences Program – NSF
Increase Higher Education Attainment – Lumina Foundation – LOI Year Round.
Long Term Research in Environmental Biology – NSF
National Energy Technology – DOE.
NSF/FDA Scholar-in-Residence at FDA
Veterans’ Employment and Training – Stand Down Grant Award – Department of Labor.

Other News

NIH Sample Grant Applications, Summary Statements, and More

NSF-Approved Formats for the Biographical Sketch
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**NSF-Approved Formats for Current and Pending Support**

*An updated eRA Commons* website informs applicants, grantees and reviewers about how to navigate its needed systems.

**Data Tables for use with Institutional Research Training grant applications**

**Search Federal Agency Program Deadlines**

Administration for Community Living: [https://www.acl.gov/grants](https://www.acl.gov/grants)

NCBC Deadlines: [http://www.ncbiotech.org/research-grants/research-funding](http://www.ncbiotech.org/research-grants/research-funding)

NEH Grant Deadlines: [http://www.neh.gov/grants](http://www.neh.gov/grants)

HHS Grants Forecast: [https://forecast.grantsolutions.gov/index.cfm](https://forecast.grantsolutions.gov/index.cfm)


US Department of Education: [http://www2.ed.gov/about/offices/list/ope/opeprogramguide.html](http://www2.ed.gov/about/offices/list/ope/opeprogramguide.html)


US Department of Justice: [https://ojp.gov/funding/Explore/CurrentFundingOpportunities.htm](https://ojp.gov/funding/Explore/CurrentFundingOpportunities.htm)

NASA NSPIRES: [ROSES_2016](https://ojp.gov/funding/Explore/CurrentFundingOpportunities.htm)

NOAA Climate Program Office: [http://epo.noaa.gov/Grants](http://epo.noaa.gov/Grants)

USDA AFRI Deadlines: [USDA AFRI Deadlines](http://www.nsf.gov/funding/pgm_list.jsp?org=NSF&ord=date).