

Overview of Federal Funding Opportunities for Behavioral and Social Sciences, Arts, and Humanities

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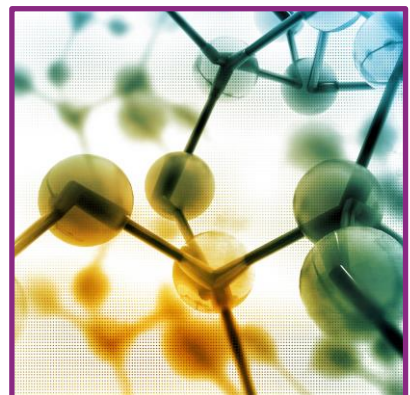


Table of Contents

Introduction	3
National Science Foundation	4
National Institutes of Health.....	35
Health and Human Services	47
National Endowment for the Humanities	50
National Endowment for the Arts.....	64
Department of Defense	68
Department of Education	73
Department of Justice.....	78
Department of Homeland Security.....	82
Institute of Museum and Library Services	84
National Archives and Records Administration	86
Smithsonian Institution.....	88
Interagency	89
Additional Funding Agencies.....	90

Introduction

This document provides a select catalog of funding opportunities for behavioral and social sciences, arts, and humanities that spans the federal government. Social and behavioral sciences, the humanities, and the arts have critical roles to play in answering broader scientific and social questions about technological innovation, national security, healthcare and human well-being, and sustainability, among other issues. As such, this document shows a continued trend among federal agencies to take on major challenges through interdisciplinary approaches that integrate these disciplines.

In recent years, this federal emphasis on interdisciplinary and convergence research has required researchers in social and behavioral sciences, the humanities, and the arts to articulate the value and potential outcomes of their work more directly. There are signs that this has led to greater support for the integration of these disciplines in funding priorities across agencies. For instance, effective automation, machine learning, human-machine teaming, and artificial intelligence research requires significant inquiry into ethics, behavioral and cognitive analysis, human factors, and more.

In its first 10 months, the Biden Administration has pushed a whole-of-government approach in several priority areas, including diversity and equity, COVID-19 response, climate resilience and adaptation, and global leadership. These priorities have been integrated into a variety of research programs and operational activities across all federal departments. With the Biden Administration also elevating science and evidence-based policymaking, the social and behavioral sciences have been called upon to support efforts in increasing racial equity, improving environmental justice, informing state-wide and local COVID-19 policies, and other related topics. Further, the Administration has appointed a prominent social scientist, Dr. Alondra Nelson, to the new role of Deputy Director for Science and Society within the White House Office of Science and Technology Policy (OSTP).

In keeping with the interdisciplinary theme, many of the grants listed are specific in research scope but cross-cutting in the field of study. For example, a grant program at the National Institutes of Health (NIH), focusing on a particular disorder and demographic, which solicits applications for research on prevention strategies may also include research on the epidemiology in its project scope. To submit the strongest applications for any interdisciplinary solicitation, researchers should consider partnering across disciplines to create a proposal that reflects two or more of the goals of the supporting program.

All grants offered by the federal government are listed on www.grants.gov, a government funding opportunity database. To find grants on grants.gov, select the “Search Grants” tab and a variety of search options should appear, including agency, category, and eligibility.

The availability of funds for federal grants is dependent on annual appropriations. The most current information on the funding status of individual programs can be found on the websites listed for each grant.

National Science Foundation

The National Science Foundation (NSF) funds basic science, technology, engineering, and mathematics (STEM) research. This includes social, behavioral, and economic sciences, as well as education research. While other federal agencies listed in this document support the social and behavioral sciences through various programs, NSF remains the largest funder of these disciplines. An estimated 65 percent of federal research investments in the social, behavioral, and economic sciences were provided by the Social, Behavioral, and Economic Sciences Directorate (SBE) at NSF. Since taking over as Assistant Director of SBE in fall 2018, Dr. Arthur “Skip” Lupia spearheaded a bold vision to reposition the Directorate to better convey the public value of basic research in the social and behavioral sciences. Dr. Lupia’s term is expiring in fall 2021, and at the time of this writing, there is an active search for his replacement. SBE’s future direction will be shaped by the new leadership, but the Directorate’s recent priorities will likely continue, as they closely align with NSF-wide plans for use-inspired research, diversity and inclusion, and cross-disciplinary activities.

In recent years, SBE has expressed interest in seeding new cross-platform ideas that maintain the basic research priorities of NSF and include a greater emphasis on broader impacts and addressing global challenges. These efforts to bolster the applicability of SBE were recently seen within NSF as SBE funded the second most Rapid Response Research (RAPID) projects to address COVID-19 among the directorates and is integral to NSF’s current programs to prepare for future pandemics and understand the lingering impacts of COVID-19. SBE has also led a new initiative, Strengthening American Infrastructure (SAI), that considers human elements on the front-end of the design process of cyber and physical infrastructure.¹ In addition to infrastructure, the Directorate is also expected to play a key role in examining the human element of major priority areas for the Administration, like manufacturing processes, artificial intelligence (AI), climate change, and online influence. These efforts will be carried out through new programming like SAI and other forthcoming initiatives, as well as a potential larger role for SBE in cross-NSF initiatives like AI Institutes², Coastlines and People (CoPe)³, and Secure and Trustworthy Cyberspace (SaTC). Social sciences are also expected to be engrained in various center-level awards at NSF as a whole. Interested investigators are strongly encouraged to consider multidisciplinary collaborations to meet these needs.

NSF is also looking to build on collaborations with the Computer and Information Science and Engineering (CISE) Directorate. While a large-scale funding mechanism between CISE and SBE is being discussed between the respective advisory committees, a dear colleague letter was released in June that reiterated both directorates’ interests in collaboration and laid out a number of existing funding opportunities to spur multi-disciplinary research, such as the Smart and Connected Communities program.⁴

Finally, NSF has placed greater emphasis on diversity, equity, and inclusion (DEI) in the sciences, a major priority for Director Sethuraman “Panch” Panchanathan. To this end, SBE launched a multidisciplinary Build and Broaden Initiative (B₂), which fundamentally seeks innovative solutions to address the low numbers of competitive research proposals from Minority-Serving Institutions (MSIs) at SBE relative to other institutions. The program is specifically looking to build research capacity at MSIs by improving

¹ <https://beta.nsf.gov/funding/opportunities/strengthening-american-infrastructure-sai>

² https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505686

³ https://nsf.gov/funding/pgm_summ.jsp?pims_id=505772

⁴ <https://beta.nsf.gov/funding/opportunities/smart-and-connected-communities-scc>

meaningful partnerships among MSIs and/or between MSIs and other research institutions. The first awards went out in September 2021 and SBE is expected to build on this program in the years ahead, as well as other initiatives to incorporate partnerships with MSIs in priority areas like AI.

Many NSF proposals are due twice annually or are accepted through a rolling submission process. Additionally, NSF has many opportunities for graduate students, which are referenced in the following program descriptions. SBE research programs are organized into two main divisions to address fundamental questions in social science fields: Behavioral and Cognitive Sciences (BCS) and Social and Economic Sciences (SES). SBE also supports the National Center for Science and Engineering Statistics (NCSES) and the SBE Office of Multidisciplinary Activities (SMA), which administers programs that span the SBE directorate and cut across other NSF directorates.

Source and Additional Information:

- More information about SBE is available at <http://nsf.gov/sbe/about.jsp>.
- A full list of SBE programs can be found at <https://nsf.gov/funding/programs.jsp?org=SBE>.
- A complete list of active grant programs offered by NSF with submission deadlines is available at https://beta.nsf.gov/funding/opportunities?sort_bef_combine=nsf_funding_upcoming_due_dates_DESC.
- A full list of programs for graduate students can be found at https://beta.nsf.gov/funding/opportunities?f%5b0%5d=student_educator_eligibility:grad.

Division of Behavioral and Cognitive Sciences

Archaeology and Archaeometry

This is a broad-ranging funding opportunity for “anthropologically relevant archaeological knowledge.” Senior research proposals in archaeology are due twice annually, with target dates of July 1 and December 20. Individual grant amounts for archaeology through the Senior Archaeological Research program ranged between \$29,000 and \$312,000 with a performance period of two to three years according to the most recent data from FY 2018. Full proposals for archaeometry research awards are due annually on December 1 with an average award of \$144,000 and a project period of two to three years. The purpose of the archaeometry research awards are to “fund projects either to develop/refine anthropologically relevant “archaeometric” techniques and/or support laboratories which provide relevant services.” Applications for Doctoral Dissertation Research Improvement (DDRI) awards are accepted at any time with a maximum funding level of \$20,000 for each award. Finally, this opportunity also provides High Risk Research in Biological Anthropology and Archaeology (HRRBAA) grants. For this award, proposals may be submitted throughout the year and funding is capped at \$35,000 per award for “high-risk, exploratory proposals that can lead to significant new anthropological knowledge.”

Source and Additional Information:

- More information about the Archaeology and Archaeometry program is available at <https://beta.nsf.gov/funding/opportunities/archaeology-and-archaeometry-0>.

Biological Anthropology

The Biological Anthropology program supports basic research by senior researchers to study areas related to “human evolution and contemporary human biological variation.” Appropriate research topics for this program include but are not limited to: “human genetic variation, human and nonhuman primate ecology and adaptability, human osteology and bone biology, human and nonhuman primate

paleontology, functional anatomy, and primate socioecology.” This program often bridges the gap between social and behavioral sciences and physical sciences, as it is often joined with other NSF programs. The program also distributes DDRI grants. Competitions for both types of awards occur twice annually on January 20 and July 20.

Source and Additional Information:

- More information about the Biological Anthropology program is available at <https://beta.nsf.gov/funding/opportunities/biological-anthropology>.

Cognitive Neuroscience

This program seeks proposals that explore the range of brain function and cognition. According to the landing page, proposals should be highly innovative and should advance the “rigorous understanding of neural mechanisms and human cognition.” Research proposals are due twice annually on February 11 and August 13. The average award size for this program is approximately \$175,000 each year for a duration of three years.

Source and Additional Information:

- More information about the Cognitive Neurosciences program is available at <https://beta.nsf.gov/funding/opportunities/cognitive-neuroscience-cogneuro>.

Cultural Anthropology

The Cultural Anthropology program was recently split into two separate programs: the Cultural Anthropology Senior Research Awards (CA-SR) and the Cultural Anthropology Doctoral Dissertation Research Improvement (DDRI) grants. Both programs fund projects that explore “the causes, consequences, and complexities of human social and cultural variability.” Both programs support basic anthropological research, which tests or creates theories to establish new knowledge about society and culture. Researchers from all sub-fields of cultural anthropology are welcome to apply. Projects should have research goals to “produce empirically grounded findings that will be generalizable beyond particular case studies and contribute to building a more robust anthropological science of human society and culture.” Applications for both the senior research awards and the DDRI grants are due annually on January 15 and August 15. Through DDRI grants, 40-50 awards are anticipated in the next fiscal year. CA-SR anticipates releasing 30 to 40 awards.

Sources and Additional Information:

- More information about the CA-SR program is available at <https://beta.nsf.gov/funding/opportunities/cultural-anthropology-program-senior-research-awards-ca-sr>.
- More information about the Cultural Anthropology DDRI grants is available at <https://beta.nsf.gov/funding/opportunities/cultural-anthropology-program-doctoral-dissertation-research-improvement>.

Developmental Sciences

The Developmental Sciences program supports basic research on the “cognitive, linguistic, social, cultural, and biological processes related to human development across the lifespan.” With this program, it is expected that research will “add to our knowledge of the underlying developmental processes that support social, cognitive, and behavioral functioning, thereby illuminating ways for individuals to live productive lives as members of society.” Research proposals are due twice annually on January 15 and July 15. Typically, these awards last for a period of three years and provide between

\$100,000 and \$200,000 of annual funding. Awards for workshops and small conferences typically have total cost budgets of \$35,000.

Source and Additional Information:

- More information about the Developmental and Learning Sciences program is available at <https://beta.nsf.gov/funding/opportunities/developmental-sciences-ds>.

Dynamics of Integrated Socio-Environmental Systems (DISES)

The Dynamics of Integrated Socio-Environmental Systems (DISES) is a crosscutting program co-led by the Geological Sciences Directorate (GEO) and the Biological Sciences Directorate (BIO), building off the original Dynamics of Coupled Natural and Human Systems (CNH) program. The program supports basic interdisciplinary research between social scientists, biologists, and environmental scientists that increases the understanding of interactions in natural and human systems. Specifically, proposals should evaluate “the truly integrated nature of a socio-environmental system versus two discrete systems (a natural one and a human one) that are coupled,” and “must explore a connected and integrated socio-environmental system that includes explicit analysis of the processes and dynamics between the environmental and human components of the system.” NSF anticipates making between nine to 15 awards annually, ranging from up to \$500,000 for Research Coordination Networks (RCNs) to up to \$1.6 million for DISES research project awards. DISES research project awards have a project period of two to five years, while RCN awards have a project period of four to five years. Full proposals are due annually on November 15.

Source and Additional Information:

- More information about the DISES program is available at <https://beta.nsf.gov/funding/opportunities/dynamics-integrated-socio-environmental-systems-dises>.

Human-Environment and Geographical Sciences Program (HEGS)

The Human Environment and Geographical Sciences (HEGS) program (formerly the Geography and Spatial Sciences (GSS) program) supports research on the “nature, causes, and/or consequences of the spatial distribution of human activity and/or environmental processes across a range of scales.” Research proposals that look at the ways in which human activity impacts natural environmental processes across various scales are particularly encouraged. An estimated \$5 to 6 million is expected to be made available for 30-40 grants. 25-30 of these awards will be for regular research projects, up to two will be for faculty early career development (CAREER), one to three awards will be for community development, and up to one award will be for RCNs. For regular proposals, the deadline for submission is the third Tuesday in January and August. In 2022, that will be January 18 and August 16. DDRI grant proposals are submitted through a separate program and have no proposal-submission deadlines; however, the number of DDRI proposal submissions for a doctoral student is limited to two times. There is a \$20,000 maximum for DDRI awards.

Sources and Additional Information:

- More information about the FY 2021 HEGS program is available at <https://www.nsf.gov/pubs/2020/nsf20547/nsf20547.pdf>.
- More information about the HEGS program DDRI award is available at <https://www.nsf.gov/pubs/2020/nsf20583/nsf20583.pdf>.

- General information on HEGS is at <https://beta.nsf.gov/funding/opportunities/human-environment-and-geographical-sciences-program-hegs>.

High-Risk Research in Biological Anthropology and Archaeology (HRRBAA)

The High-Risk Research in Biological Anthropology and Archaeology (HRRBAA) program supports research “conducted under unusual circumstances.” In particular, the program provides small awards (up to \$35,000) for a project period of one year to allow investigators to “assess the feasibility of an anthropological research project” in a distant location with no previously known archeological significance. Investigators are required to contact the relevant NSF program officer before submitting an HRRBAA proposal to determine whether the proposed work is appropriate, and the proposed activity must be high-risk in nature. Proposals are accepted at any time once a program office has been consulted. Based on the availability of funds, NSF anticipates up to \$150,000 in funding per year to make two to five awards.

Source and Additional Information:

- More information about the HRRBAA program is available at <https://beta.nsf.gov/funding/opportunities/high-risk-research-biological-anthropology-and-archaeology-hrrbaa>.

Linguistics

The Linguistics program supports “basic science in the domain of human language, encompassing investigations of the grammatical properties of individual human languages, and of natural language in general. Research areas include syntax, semantics, morphology, phonetics, and phonology.” Early career grants and DDRI awards are available under this program, however DDRI awards have their own solicitation. The Linguistics program has two target dates annually for research proposal submissions on January 15 and July 15. Anticipated funding amounts vary by type of project being proposed.

Sources and Additional Information:

- More information about the Linguistics program is available at <https://beta.nsf.gov/funding/opportunities/linguistics>.
- More information about the Linguistics program DDRI awards is available at <https://beta.nsf.gov/funding/opportunities/linguistics-program-doctoral-dissertation-research-improvement-grants-ling>.

NSF Dynamic Language Infrastructure – NEH Documenting Endangered Languages (DLI-DEL)

The Dynamic Language Infrastructure – Documenting Endangered Languages (DLI-DEL) program is a multi-year funding partnership between NSF and the National Endowment for the Humanities (NEH) supporting projects that would “develop and advance knowledge concerning dynamic language infrastructure in the context of endangered human languages—languages that are both understudied and at risk of falling out of use.” As part of a recent SBE reorganization, the program’s name was updated to “Documenting Endangered Languages” to highlight the emphasis on information technology and computational infrastructure to conduct research on endangered languages. Specifically, funding can support “data management and archiving, and the development of the next generation of researchers,” as well as “fieldwork and other activities relevant to the digital recording, documenting, and archiving of endangered languages, including the preparation of lexicons, grammars, text samples, and databases.” The program will grant funding for one-to-three-year research grants and conference

proposals. Six-to twelve-month fellowships are also available, though they are now administered by NEH. DDRI grants are also available through a separate solicitation. Research projects and conference proposals have a maximum funding amount of \$450,000 for up to three years, and BCS anticipates 20-25 awards. Applications for research grants and conference proposals are due annually on February 15 and September 15. DDRI applications are accepted anytime and have a maximum award size of \$15,000 in direct costs for a project period of up to 24 months.

Sources and Additional Information:

- More information about the (DLI-DEL) program is available at https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505705.
- More information about the Linguistics: Dynamic Language Infrastructure-Doctoral Dissertation Research Improvement Grants program is available at https://nsf.gov/funding/pgm_summ.jsp?pims_id=505710.
- More information about the fellowships administered by NEH is available at <https://www.neh.gov/grants/preservation/documenting-endangered-languages>.

Perception, Action and Cognition (PAC)

The Perception, Action, and Cognition (PAC) program focuses primarily on the following research topics: “vision, audition, haptics, attention, memory, written and spoken language, spatial cognition, motor control, categorization, reasoning, and concept formation.” Program officers are particularly interested in “interaction of sleep or emotion with cognitive or perceptual processes, epigenetics of cognition, computational models of cognition, and cross-modal and multimodal processing.” Some proposals may be eligible for co-review by other programs. The application window occurs twice annually for research projects: between January 15 and February 1 and between July 15 and August 1. The application window for workshops and conferences is between May 15 and June 15 annually. Applications for workshops and conferences may be returned without review if they are submitted less than a year before the date of the workshop or conference.

Source and Additional Information:

- More information about the PAC program is available at <https://beta.nsf.gov/funding/opportunities/perception-action-cognition-pac>.

Social Psychology

The Social Psychology program explores human social behavior in specific topics such as “social cognition, attitudes, social and cultural influence, stereotypes, motivation, decision making, group dynamics, aggression, close relationships, social and affective neuroscience, social psychophysiology, emotions, prosocial behavior, health-related behavior, and personality and individual differences.” NSF encourages proposals that “develop new theories or methods for understanding social behavior” and employ interdisciplinary, multi-disciplinary, or convergent approaches to research. Proposals will be evaluated based on whether they are “theoretically grounded, based on empirical observation and validation, and with designs appropriate to the questions asked.” Research proposals are due twice annually on January 15 and July 15. While this program does not accept DDRI proposals, it does accept Faculty Early Career Development (CAREER), Early Concept Grant for Exploratory Research (EAGER), and Rapid Response Research (RAPID) proposals, as well as proposals for research in undergraduate institutions (RUI). It is recommended that applicants contact a Program Director prior to submitting a proposal to confirm the proposal is a good fit.

Source and Additional Information:

- More information about the Social Psychology program is available at <https://beta.nsf.gov/funding/opportunities/social-psychology>

The Science of Learning and Augmented Intelligence

The Science of Learning and Augmented Intelligence (SL) program, which evolved out of the previous Science of Learning program and the expired Science of Learning Centers, explores learning by supporting “potentially transformative research that develops basic theoretical insights and fundamental knowledge about principles, processes and mechanisms of learning, and about augmented intelligence - how human cognitive function can be augmented through interactions with others, contextual variations, and technological advances.” Single discipline and interdisciplinary proposals are encouraged. The program welcomes projects that address “collaborative and collective models of learning and/or intelligence that are supported by the unprecedented speed and scale of technological connectivity.” Proposal deadlines are January 19, 2022, and July 13, 2022, with future deadlines of the third Wednesday in January and the second Wednesday in July annually thereafter.

Source and Additional Information:

- More information about the SL program is available at <https://beta.nsf.gov/funding/opportunities/science-learning-and-augmented-intelligence>.

Division of Social and Economic Sciences

Accountable Institutions and Behavior (AIB)

The Accountable Institutions and Behavior (AIB) program is one of two programs (along with the Security and Preparedness program) that evolved out of the Political Science program. This program addresses “issues broadly related to attitudes, behavior, and institutions connected to public policy and the provision of public services,” including “the study of individual and group decision-making, political institutions (appointed or elected), attitude and preference formation and expression, electoral processes and voting, public administration, and public policy.” The AIB program also supports undergraduate research experiences. The AIB program coordinates closely with the Security and Preparedness (SAP) and Law and Science (LS) program to address research previously covered under the political science program and national interest basic research broadly. Proposals are due on January 15 and August 15 annually.

Source and Additional Information:

- More information about the AIB is available at <https://beta.nsf.gov/funding/opportunities/accountable-institutions-and-behavior-aib>

Decision, Risk and Management Sciences

The Decision, Risk and Management Sciences program supports research on understanding decision making at all social levels, from individuals and groups to organizations and society writ large. The program funds research in the following areas: “judgment and decision making; decision analysis and decision aids; risk analysis, perception, and communication; societal and public policy decision making; management science and organizational design.” In addition to standard research awards, this program also supports conferences, DDRI grants, time-sensitive research in emergency situations through the RAPID mechanism, and high-risk/high-reward or potentially transformative research through -EAGER grants. Research proposals are due twice annually on January 17 and August 18.

Source and Additional Information:

- More information about the Decision, Risk, and Management Sciences program is available at <https://beta.nsf.gov/funding/opportunities/decision-risk-and-management-sciences-drms>.

Economics

The Economics program supports research to understand the “processes and institutions of the U.S. economy” as well as the larger global system. Awards are granted in many different areas of economics, including: “econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.” This program has a strong emphasis on interdisciplinary approaches and will fund “individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates.” Grant proposals are due twice annually on January 18 and August 18.

Source and Additional Information:

- More information about the Economics program is available at <https://beta.nsf.gov/funding/opportunities/economics>.

Human Networks and Data Science

The Human Networks and Data Science (HNDS) program has evolved from the previous Resource Implementations for Data Intensive Research in the Social Behavioral and Economic Sciences (RIDIR) program and other research thrusts. The HNDS program encourages research that develops the general understanding of human behavior and human interaction with the surrounding environment, as well an environment’s influence on humans. Successful proposals will “provide data-rich insights about human networks to support improved health, prosperity, and security.”

The HNDS program is divided into two tracks:

1. HNDS-Infrastructure (HNDS-I) projects, which will fund the “development of data resources and relevant analytic techniques that support fundamental SBE research in the context of human networks.”
2. HNDS- Core Research (HNDS-R) projects, which will “address theoretically motivated questions about the nature, causes, and/or consequences of human behavior (broadly defined) that occurs within contexts defined by networks that determine human experience; from biological networks in the human body to the sociocultural, economic and geospatial networks that compromise human societies.”

There is approximately \$8 million available in annual funding, and the program anticipates releasing five to 25 awards in total. Four awards will be given to infrastructure projects through the HNDS-I track, and five to 20 will be awarded to core research projects through the HNDS-R track. HNDS-R tracks will be co-reviewed with other SBE programs. The proposal deadline is February 3, 2022.

Source and Additional Information:

- More information about the HNDS program is available at <https://beta.nsf.gov/funding/opportunities/human-networks-and-data-science-hnds>.

Law & Science

The Law & Science (LS) program, evolved from the Law and Social Sciences program, supports interdisciplinary and methodological projects relating to the science of law and the system of rules. Proposals should “describe research that advances scientific theory and understanding of the connections between human behavior and law, legal institutions, or legal processes; or the interactions of law and basic sciences, including biology, computer and information sciences, STEM education, engineering, geosciences, and math and physical sciences.” Among the topics that may be addressed are “Crime, Violence, and Policing; Cyberspace; Economic Issues; Environmental Science; Evidentiary Issues; Forensic Science; Governance and Courts; Human Rights and Comparative Law; Information Technology; Legal and Ethical Issues related to Science; Legal Decision Making; Legal Mobilization and Conceptions of Justice; Litigation and the Legal Profession; Punishment and Corrections; Regulation and Facilitation of Biotechnology (e.g., Gene Editing, Gene Testing, Synthetic Biology) and Other Emerging Sciences and Technologies; and Use of Science in the Legal Processes.” The LS program also offers DDRI grants and conference awards, as well as Research Experience for Undergraduates (REU), CAREER, RRUI, RAPID, and EAGER awards. Grant proposals are due twice annually on January 15 and August 1.

Source and Additional Information:

- More information about the Law & Science program is available at <https://beta.nsf.gov/funding/opportunities/law-science-ls>.

Methodology, Measurement, and Statistics

The Methodology, Measurement, and Statistics (MMS) program supports interdisciplinary research geared toward the development of innovative methods and models for the social, behavioral, and economic sciences. Theory-based proposals with potential for use across multiple fields are of particular interest. This program offers funding for “Regular Research Awards; awards for conferences, workshops, and community-development activities; DDRI Grants; and REU Supplements.” It is anticipated that \$3.76 million will be available each year for between 15 and 35 awards. Grant proposals are due twice annually on the last Thursday of January and August. In 2022, the deadlines will be January 27 and August 25.

Source and Additional Information:

- More information about the MMS program is available at <https://beta.nsf.gov/funding/opportunities/methodology-measurement-and-statistics-mms>.

Science of Organizations

The Science of Organizations (SoO) program supports basic research projects that explore the development, formation, and operation of organizations in their various shapes and forms. Proposals should “use scientific methods to develop and refine theories, to empirically test theories and frameworks, and to develop new measures and methods.” SoO-funded projects should yield “generalizable insights that are of value to the business practitioner, policy-maker and research communities.” Proposals should consider intellectual merit and large-scale impacts. Research proposals are due twice annually on February 2 and September 3.

Source and Additional Information:

- More information about the SoO program is available at <https://beta.nsf.gov/funding/opportunities/science-organizations-soo>.

Security and Preparedness

The Security and Preparedness (SAP) program is one of two programs (along with the Accountable Institutions and Behavior program) that evolved out of the Political Science program. This program consolidates several funding sources from across the Directorate focused on global and national security issues, including research pertaining to “international relations, global and national security, human security, political violence, state stability, conflict processes, regime transition, international and comparative political economy, and peace science.” The SAP program coordinates closely with the AIB and LS programs to address research previously covered under the Political Science program and national interest basic research broadly. Proposals are due on January 15 and August 15 annually.

Source and Additional Information:

- More information about the Accountable Institutions and Behavior program is available at <https://beta.nsf.gov/funding/opportunities/security-and-preparedness-sap>.

Sociology

The Sociology program supports basic research on human social organization broadly, including “societies, institutions, groups and demography”, as well as systems of individual and institutional change. Topics for research identified by the program include: “organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender, race and the sociology of science and technology.” Regular research proposals are due twice annually on January 15 and August 15, but this program also offers crossing-cutting opportunities through CAREER, REU, RUI, Graduate Research Fellowship Program (GRFP), Major Research Instrumentation (MRI), Postdoctoral-Research Fellowships (SPRF), Small Business Innovation Research (SBIR), and Mid-scale Research Infrastructure programs.

Source and Additional Information:

- More information about the Sociology program is available at <https://beta.nsf.gov/funding/opportunities/sociology>.

Science and Technology Studies

The Science and Technology Studies (STS) program, evolved from the Science, Technology, and Society program, aims to understand the “intellectual, material, and social facets” of STEM disciplines. The program’s purview includes STEM related “interdisciplinary studies of ethics, equity, governance, and policy issues.” The revamped STS program will fund standard research grants, grants for collaborative research, professional development, conferences, research community development, Scholars Awards, and DDRI grants. NSF expects to make \$6.2 million available every year to fund 40 awards. Proposals are due February 2, and August 3 annually; DDRI proposals will only be accepted by the August deadline.

Source and Additional Information:

- More information about the STS program is available at <https://beta.nsf.gov/funding/opportunities/science-and-technology-studies-sts>.

Science of Science: Discovery, Communication, and Impact

The Science of Science: Discovery, Communication, and Impact (SoS:DCI) program, evolved from the Science of Science and Innovation Policy program (SciSIP), aims to increase and communicate the public value of scientific research and discovery to society.

Research conducted under this program should focus on three topic areas:

- “How to increase the rate of socially beneficial discovery;
- How to improve science communication outcomes; and
- How to expand the societal benefits of scientific activity.”

Specifically, funded proposals will “develop data, models, indicators, and associated analytical tools that constitute and enable transformative advances rather than incremental change; identify ethical challenges and mitigate potential risks to people and institutions; provide credible metrics and rigorous assessments of their proposed project’s impact; [and] include robust data management plans with the goal to increase the usability, validity, and reliability of scientific materials.” Proposals from junior faculty, women, faculty from underrepresented groups, minority-serving institutions, RUI and EPSCoR states are encouraged. This program also supports conference awards, standard research grants, grants for collaborative research, and DDRI grants. Research proposals are due annually on February 10 and September 9.

Source and Additional Information:

- More information about the SoS:DCI program is available at: <https://beta.nsf.gov/funding/opportunities/science-science-discovery-communication-and-impact-sosdci>.

The 2024 American National Election Study (ANES) Competition

Since 1948, the American National Election Studies (ANES) has served as a “comprehensive longitudinal data collection” that provides data on voting and related topics in national elections. ANES is used by various researchers who work to advance the social sciences and protect American democracy. ANES data is used to measure variables, analyze “complex comparisons,” “leverage methodological advances,” and promote “dynamic hypothesis testing.” ANES is centered around a series of national surveys that are conducted before and after every U.S. presidential election. These surveys focus on the connections between people, places, and circumstances to election outcomes. These traditionally in-person surveys have a consistent framework, which gives researchers a broader outlook on American democracy over time. ANES has recently incorporated web-based data collection strategies and random digital dialing (RDD) to supplement their knowledge base. To ensure that collected data is reflective of the general U.S. population, ANES has also integrated inclusive study strategies, like panel studies and oversamples of underrepresented minorities. Proposals to the 2024 competition are expected to “improve ANES’s scientific and public value,” as well as build upon ANES’s many accomplishments.

For the 2024 ANES competition, the Accountable Institutions and Behavior program anticipates awarding \$14 million over a four-year period, to one to two proposals. For the 2024 competition, letters of intent are required, which were due on September 20, 2021. Full proposals are due on December 10, 2021.

Sources and Additional Information:

- Additional information on ANES is available at <https://beta.nsf.gov/funding/opportunities/2024-american-national-election-study-competition-anes>
- The full solicitation for the 2024 ANES competition is available at <https://www.nsf.gov/pubs/2021/nsf21601/nsf21601.pdf>

SBE Office of Multidisciplinary Activities

A Science of Science Policy Approach to Analyzing and Innovating the Biomedical Research Enterprise

The Science of Science Policy Approach to Analyzing and Innovating the Biomedical Research Enterprise (SCISIPBIO) program is jointly offered by NSF's Science and Innovation Policy program (SciSIP) and the National Institute of General Medical Sciences (NIGMS) at the National Institutes of Health (NIH). The program will fund research "to provide scientific analysis of important aspects of the biomedical research enterprise" with a specific focus on innovation in the biomedical sciences. The goal of the program is to "foster a diverse, innovative, productive and efficient scientific workforce, from which future scientific leaders will emerge." NSF and NIH expect to issue between four and eight awards per year, ranging from \$100,000 to \$250,000 in annual funding for up to four years. Proposals are due on February 9 and September 9 annually.

Source and Additional Information:

- More information about the SCISIPBIO program is available at <https://beta.nsf.gov/funding/opportunities/science-science-policy-approach-analyzing-and-innovating-biomedical-research>.

Build and Broaden 2.0

The Build and Broaden 2.0 program (B2 2.0) is a new program at SBE and a major investment priority. B2 2.0 aims to increase proposal submissions, advance research collaborations and networks involving scholars from Minority-Serving Institutions (MSIs) and support research activities in the SBE sciences at MSIs. B2 2.0 expands on a Dear Colleague Letter (DCL) from February 2020 and supports innovative solutions to address the low numbers of competitive research proposals from MSIs within SBE relative to other institutions. B2 2.0 is specifically interested in supporting proposals that meaningfully strengthen SBE research submissions and capabilities at MSIs; research networks including MSI scholars; and career and research trajectories for MSI faculty. Proposals are invited from single Principal Investigators (PIs) based at MSIs and from multiple co-investigators from a group of MSIs. According to the initial solicitation, "Principal Investigators who are not affiliated with MSIs may submit proposals, but must collaborate with PIs, co-PIs, or Senior Personnel from MSIs and describe how their project will foster research partnerships or capacity-building with at least one MSI as a primary goal of the proposed work." Projects can be in any of the scientific areas addressed by SBE. Submissions for the initial competition were due in March 2021 and awards were announced in September 2021. It is uncertain when NSF will run another competition, but the program was prioritized for expansion in the President's budget request for FY 2022.

Source and Additional Information:

- More information about B2 2.0 can be found at <https://beta.nsf.gov/funding/opportunities/build-and-broaden-20-enhancing-social-behavioral-and-economic-science>.
- A press release of the initial awardees can be found at https://www.nsf.gov/news/news_summ.jsp?cntn_id=303466&org=SBE&from=news.

Ethical and Responsible Research

The Ethical and Responsible Research (ER2) program, which reflects the former Cultivating Cultures for Ethical STEM program, promotes “research projects that identify (1) factors that are effective in the formation of ethical STEM researchers and (2) approaches to developing those factors in all STEM fields that NSF supports.” Specifically, this program will address the following questions:

- “What constitutes responsible conduct for research (RCR), and which cultural and institutional contexts promote ethical STEM research and practice and why?”
- Do certain labs have a ‘culture of academic integrity’?
- What practices contribute to the establishment and maintenance of ethical cultures and how can these practices be transferred, extended to, and integrated into other research and learning settings?”

For this award, between six and eight recipients will receive a maximum of \$600,000 for five-year awards, or \$400,000 for three-year awards. On average, awards are \$275,000. Proposals are due annually on February 22.

Source and Additional Information:

- More information about the Ethical and Responsible Research program is available at <https://beta.nsf.gov/funding/opportunities/ethical-and-responsible-research-er2>.

SBE Science of Broadening Participation (SBE SBP)

The Science of Broadening Participation (SBP) seeks to better understand the barriers and pathways to increased participation in STEM education and careers by utilizing the “theories, methods, and analytic techniques of the social, behavioral, economic and learning sciences.” The goal of this program is to engage underrepresented populations in STEM education, careers, and institutions to make the U.S. more competitive in STEM R&D.

SBP identified three categories of factors for proposals to focus on:

- Institutional, organizational and group factors;
- Affective, behavioral, cultural, and social factors; and
- Economic and policy-related factors.

Numerous SBE topics can contribute to SBP, including but not limited to: “underlying psychological and social issues affecting different participation and graduation rates of people who vary by gender, race, ethnicity, disability, and other statues; social, behavioral, or economic processes and mechanisms that contribute to positive outcomes within education, the workforce, and major social institutions; factors that help promote and maintain underrepresented youths’ interest in education, especially STEM; and impacts of a diverse workforce on scientific productivity and innovation in the national economy.”

Full SBP proposals are accepted at any time, as SBP itself is not a program. Research that would contribute to SBP should be proposed to a relevant program within the SBE Directorate. Researchers should identify their research as an SBP proposals by including “SBP:” at the beginning of the proposal title.

Sources and Additional Information:

- More Information on SBE SBP is available at <https://beta.nsf.gov/funding/opportunities/sbe-science-broadening-participation-sbe-sbp>

- A full list of SBE programs is available at <https://www.nsf.gov/funding/programs.jsp?org=SBE>

Strengthening American Infrastructure (SAI)

Strengthening American Infrastructure (SAI) is NSF's effort to better America's research capacity to address complex infrastructure challenges with a "human-and-social-centered" approach. NSF values strong infrastructure that promotes "socioeconomic vitality," and this program seeks to increase the efficacy of U.S. physical, cyber and social infrastructure. SAI supports proposals from interdisciplinary experts that advance "substantial and potentially pathbreaking" user-centered, fundamental research that can better the "design, use, development, cost-effectiveness, or maintenance" of U.S. infrastructure. NSF is especially interested in research that implements a "deep understanding of human cognition, perception, information processing, decision making, social and cultural behavior, legal frameworks, governmental structures," and other areas into infrastructure processes. NSF also encourages proposals from underrepresented groups and minority serving institutions (MSIs) in accordance with their broadening participation efforts. SAI proposals must adhere to the procedures guide of FastLane or Grants.gov, pending on which website is used during the submission process. NSF has started supporting conference and EAGER proposals and is expected to continue to scale this program.

Sources and Additional Information

- More information on SAI is available at <https://beta.nsf.gov/funding/opportunities/strengthening-american-infrastructure-sai>
- More information on the Fastlane procedures guide is available at https://www.nsf.gov/publications/pub_summ.jsp?ods_key=pappg&WT.z_pims_id=505698
- More information on the Grants.gov procedures guide is available at https://www.nsf.gov/publications/pub_summ.jsp?ods_key=grantsgovguide

National Center for Science and Engineering Studies

Research on the Science and Technology Enterprise: Statistics and Surveys – R&D, U.S. S&T Competitiveness, STEM Education, S&T Workforce

The National Center for Science and Engineering Studies (NCSES) collects, analyzes, reports, and disseminates objective, statistical data involving science and engineering in the United States and other countries. As the statistical branch of the SBE Directorate, NCSES provides useful information to researchers, policymakers, and the public through its 30 annual reports. NCSES invites "efforts by the research community to use NCSES data for research on the science and technology enterprise, to develop improved survey methodologies for NCSES surveys, to create and improve indicators of S&T activities and resources and strengthen methodologies to analyze and disseminate S&T statistical data. To that end, NCSES invites proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, workshops, experimental research, survey research and data collection and dissemination projects under its program for Research on the Science and Technology Enterprise: Statistics and Surveys." NCSES expects to fund between seven and 12 awards each year, totaling approximately \$750,000 annually. Proposals are due annually on January 15.

Source and Additional Information:

- More information about the NCSES program is available at <https://www.nsf.gov/statistics/about-ncses.cfm#core>.

Directorate for Education and Human Resources

The Education and Human Resources (EHR) Directorate has a variety of programs aimed at improving STEM learning. These programs range from research to implementation and address an array of audiences including K-12, informal, undergraduates, and graduate students. Many programs support social science research related to STEM learning, either alone or as an evaluative piece of a larger project.

Sources and Additional Information:

- More information about the EHR Directorate is available at <http://www.nsf.gov/dir/index.jsp?org=EHR>.

EHR Core Research

The EHR Core Research program (ECR) promotes research “that advances knowledge in one or more of the three Research Tracks: Research on STEM Learning and Learning Environments, Research on Broadening Participation in STEM Fields, and Research on STEM Workforce Development.” There are three levels of proposals to match applications with differing maturity. Level I proposals can earn awards up to \$500,000, level II proposals are up to \$1.5 million, and level III proposals can be awarded up to \$2.5 million. All awards can be made for 3-5 years. Applications are due October 7, 2021, and annually thereafter on the first Thursday in October.

Sources and Additional Information:

- More information about the ECR program is available at <https://beta.nsf.gov/funding/opportunities/ehr-core-research-ecrcore>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21588/nsf21588.pdf>.

Improving Undergraduate STEM Education

NSF’s Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR) program “supports projects that have the potential to improve student learning in STEM through development of new curricular materials and methods of instruction, and development of new assessment tools to measure student learning. The program also “encourages replications of research studies at different types of institutions and with different student bodies to produce deeper knowledge about the effectiveness and transferability of findings.”

The IUSE program will support projects via two project tracks, Engaged Student Learning and Institution and Community Transformation. Additionally, within each track, several levels of scope, scale, and funding are available. Full proposals for the Engaged Student Learning track level 1 and Institutional and Community Transformation track capacity-building level, and level 1 are due twice per year on January 19, 2022, and on the third Wednesday in January annually thereafter, and on July 20, 2022, and on the third Wednesday in July annually thereafter. Full proposals for the Engaged Student Learning level 2 and 3 and Institutional and Community Transformation level 2 are due on July 20, 2022 and on the third Wednesday in July annually thereafter. NSF anticipates distributing approximately 105 awards totaling \$63 million. Individual award size varies by category and track.

Sources and Additional Information:

- More information about the IUSE program is available at <https://beta.nsf.gov/funding/opportunities/improving-undergraduate-stem-education-education-and-human-resources-iuse-ehr>.
- The most recent program solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21579/nsf21579.pdf>.

Discovery Research PreK-12 Program

NSF's Discovery Research PreK-12 (DRK-12) program focuses on research and development of STEM education by preK-12 students and teachers. Proposed projects must have theoretical and empirical justification and should ultimately enhance the understanding and use of STEM content, practices, and skills to students and teachers. The DRK-12 program has three major research and development areas: Assessment, Learning, and Teaching. Proposals should identify a clear focus of the proposed research efforts (i.e., assessment, learning, or teaching) consistent with the proposal's main objectives and research questions. Within these areas of focus, the program supports six types of studies: Exploratory, Design and Development, Impact, Implementation and Improvement, Syntheses, and Conferences. Full proposal deadlines are due on October 6, 2021, and on the first Wednesday in October annually. NSF anticipates approximately between \$60 million to \$64 million will be available for about 50 to 60 awards.

Sources and Additional Information:

- More information about the DRK-12 program is available at <https://beta.nsf.gov/funding/opportunities/discovery-research-prek-12-drk-12>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2020/nsf20572/nsf20572.pdf>.

Advancing Informal STEM Learning

The Advancing Informal STEM Learning (AISL) program aims to “advance new approaches to and evidence-based understanding of the design and development of STEM learning opportunities for the public in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; advance innovative research on and assessment of STEM learning in informal environments; and engage the public of all ages in learning STEM in informal environments.” The program supports six types of awards: “(1) Pilots and Feasibility Studies; (2) Research in Service to Practice; (3) Innovations in Development; (4) Broad Implementation; (5) Literature Reviews, Syntheses, or Meta-Analyses; and (6) Conferences.” Many different types of groups are eligible for funding, including universities, non-profit organizations, museums, and educational television producers. Funding amounts and durations vary based on award type. Information about these webinars can be found on the AISL program website. Proposals are due January 18, 2022.

Sources and Additional Information:

- More information on the AISL program is available at <https://beta.nsf.gov/funding/opportunities/advancing-informal-stem-learning-aisl>.
- The most recent program solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21599/nsf21599.pdf>.

Innovations in Graduate Education

The Innovations in Graduate Education (IGE) program encourages the development of new and transformative approaches to STEM graduate education. Projects can address piloting, testing, and/or validating innovative approaches to workforce development, broadening participation, and institutional capacity building. In addition, projects must be focused on “generating the knowledge required for the customization and implementation of the most successful, transformative ones. The primary target population for IGE projects must be master’s and/or doctoral STEM students in a research-based degree program that requires a thesis or dissertation.” In addition, the IGE program encourages proposals that include partnerships with government agencies, the private sector, National Laboratories, and/or informal science centers, among others. IGE awards are anticipated to have total budgets between \$300,000 and \$500,000 and may be up to three years in duration. Proposals are due on March 25, 2022, and annually thereafter.

Sources and Additional Information:

- More information about the IGE program is available at: <https://beta.nsf.gov/funding/opportunities/innovations-graduate-education-program>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2020/nsf20595/nsf20595.pdf>.

Directorate for Computer and Information Science and Engineering

The Directorate for Computer and Information Science and Engineering (CISE) supports interdisciplinary research to advance understanding in computing, communications, information science, and engineering. The four goals of CISE are:

- “To enable the U.S. to uphold its leadership in computing, communications, and information science and engineering;
- To promote understanding of the principles and uses of advanced computing, communications, and information systems in service to society;
- To support advanced cyberinfrastructure that enables and accelerates discovery and innovation across all science and engineering disciplines; and
- To contribute to universal, transparent, and affordable participation in an information-based society.”

CISE is organized into four divisions: the Office of Advanced Cyberinfrastructure (OAC); the Division of Computing and Communication Foundations (CCF); the Division of Computer and Network Systems (CNS); and the Division of Information and Intelligent Systems (IIS). As with other NSF directorates, there are a number of CISE programs in collaboration with the Directorate for Social, Behavioral, and Economic Sciences (SBE). In June 2021, CISE and SBE issued a joint Dear Colleague (DCL) Letter highlighting opportunities for collaboration.

Sources and Additional Information:

- More information about the CISE Directorate is available at <https://www.nsf.gov/cise/about.jsp>.
- The CISE/SBE DCL is available at <https://www.nsf.gov/pubs/2021/nsf21099/nsf21099.jsp>.

Designing Accountable Software Systems

The Designing Accountable Software Systems (DASS) program supports fundamental research “towards a deeper understanding and formalization of the bi-directional relationship between software systems

and the complex social and legal contexts within which software systems must be designed and operate.” “Proposals for this program must create general advances in both (1) understanding the social, behavioral, economic and/or legal context of software design; and (2) improving the methodology for designing accountable software beyond specific use cases.” NSF expects to make 10 awards of up to \$750,000 for up to three years. Full proposals were due April 19, 2021.

Sources and Additional Information:

- More information about the DASS program is available at <https://beta.nsf.gov/funding/opportunities/designing-accountable-software-systems-dass>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21554/nsf21554.pdf>.

Cyber-Physical Systems

The Cyber-Physical Systems (CPS) program at NSF “aims to develop the core research needed to engineer complex CPS,” including “control, data-analytics, autonomy, design, information management, internet of things (IoT), mixed initiatives including human-in- or on-the-loop, networking, privacy, real-time systems, safety, security, and verification.” Within these areas of interest there is a focus on the relationship between social and technical dimensions of CPS research, such as the impacts of economic models or concepts on one’s perspective of CPS and scaling these systems to societal levels. NSF expects to make 20 to 30 awards for this funding opportunity worth a total of \$32.4 million. Small and medium proposals will be accepted anytime throughout the year. Frontier proposals will be accepted between December 1 and December 15, 2021.

Sources and Additional Information:

- More information about the CPS program can be found at <https://beta.nsf.gov/funding/opportunities/cyber-physical-systems-cps>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21551/nsf21551.pdf>.

Smart and Connected Communities

The goal of the Smart and Connected Communities (S&CC) program is to support “integrative research that addresses fundamental technological and social science dimensions of smart and connected communities.” This solicitation requires researchers to incorporate a range of disciplines, such as agriculture, disaster mitigation and response, health and wellness, water resources, and environmental quality. Social science topics that could be explored in this research include “studies of learning or collaboration processes within and across communities,” “data describing long-term responses of communities to disasters,” as well as “evidence of institutional and social responses to technological change within communities.”

There are two types of grants available in this program, integrative research grants and planning grants. Integrative research grants support the fundamental research related to smart and connected communities and can be worth between \$1.5 million and \$2.5 million over four years in track 1 or up to \$1.5 million for three years in track 2. Planning grants are intended for researchers to build capacity and prepare teams to apply for integrated research grants in the future. Planning grants are worth up to \$150,000 for one year. NSF estimates it will distribute 20 to 30 awards worth a total of \$23.5 million. Full proposals were due February 24, 2021.

Sources and Additional Information:

- More information about the S&CC program can be found at <https://beta.nsf.gov/funding/opportunities/smart-and-connected-communities-scc>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21535/nsf21535.pdf>.

Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science

The Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science opportunity (SCH), formerly Smart and Connected Health, aims to “support the development of transformative high-risk, high-reward advances in computer and information science, engineering, mathematics, statistics, behavioral and/or cognitive research to address pressing questions in the biomedical and public health communities.” NSF partners with the National Institutes of Health (NIH) in this solicitation and work funded under this opportunity must contribute to two or more fields “such as computer or information sciences, engineering, mathematical sciences, social, behavioral, biomedical, cognitive or economic sciences to improve fundamental understanding of biomedical and health related processes and address a key health problem.”

Topics of interest for SCH include health information infrastructure, data science, multimodal sensor system hardware, effective usability of health technology, automation of health, medical imaging, and health disparities. NSF aims to support 10 to 16 awards worth between \$16 million and \$20 million. Applications are due November 10 annually.

Sources and Additional Information:

- More information about the SCH program can be found at <https://beta.nsf.gov/funding/opportunities/smart-health-and-biomedical-research-era-artificial-intelligence-and-advanced>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21530/nsf21530.pdf>.

Research on Emerging Technologies for Teaching and Learning

The Research on Emerging Technologies for Teaching and Learning program (RETTL), formerly Cyberlearning for Work at the Human-Technology Frontier, funds “exploratory and synergistic research in emerging technologies (to include, but not limited to, artificial intelligence (AI), robotics, and immersive or augmenting technologies) for teaching and learning in the future.” Specifically, this program funds research that educates workers, teachers, and students in STEM fields so that they can succeed in technology-intensive environments. In 2021, this program was revised to reflect its broad scope and focus on “supporting research on emerging technologies for teaching. NSF expects to support 20 awards with \$19 million in total funding. Each project would be funded for three years with a maximum funding amount of \$850,000. Applications are due October 18, 2021, for the FY 2022 competition, and will be due October 17, 2022, for the FY 2023 competition.

Sources and Additional Information:

- More information about the Cyberlearning program is available at <https://beta.nsf.gov/funding/opportunities/research-emerging-technologies-teaching-and-learning>.

- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2020/nsf20612/nsf20612.pdf>.

Integrative Strategies for Understanding Neural and Cognitive Systems

The Integrative Strategies for Understanding Neural and Cognitive Systems (NSF-NCS) program supports “high-risk, high-payoff” research which would advance understanding of the interactions between the brain and behavior. This program has four topics of interest regarding neural and cognitive systems: Neuroengineering and Brain-Inspired Concepts and Designs; Individuality and Variation; Cognitive and Neural Processes in Realistic and Complex Environments; and Data-Intensive Neuroscience and Cognitive Science. There are two types of eligible proposals for this program FOUNDATIONS and FRONTIERS awards. FOUNDATIONS proposals should include high-risk, high-reward research that advance the fundamentals of at least one focus area. FRONTIERS awards “support ambitious, highly integrative, interdisciplinary projects that advance and connect multiple integrative research threads to tackle challenges that would be intractable without a high level of collaboration and coordination.”

NSF plans to distribute 10 FOUNDATIONS awards and 3 to 5 FRONTIERS awards with a total funding of \$11 million to \$15 million. FRONTIERS awards are only accepted every other fiscal year and will be due February 15, 2023, along with FY 2023 FOUNDATIONS proposals. Letters of Intent are only due for FRONTIERS awards and will be due December 15, 2022, for the FY 2023 competition. FY 2022 FOUNDATIONS proposals are due February 14, 2022. CORE+ SUPPLEMENT awards are no longer offered.

Sources and Additional Information:

- More information about the NSF-NCS program is available at <https://beta.nsf.gov/funding/opportunities/integrative-strategies-understanding-neural-and-cognitive-systems-ncs>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21517/nsf21517.pdf>.

Collaborative Research in Computational Neuroscience

Through the Collaborative Research in Computational Neuroscience (CRCNS) program, NSF partners with the National Institutes of Health (NIH), the German Federal Ministry of Education and Research (BMBF), the French National Research Agency (ANR), the Spanish Research Agency (AEI) and National Institute of Health Carlos III, the U.S.-Israel Binational Science Foundation (BSF), and the Japanese National Institute of Information and Communications Technology (NICT) to promote research projects that “advance the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system.” This program supports both collaborative research projects and proposals for sharing data and other resources. NSF is expected to distribute between \$5 million and \$20 million for 20 to 25 awards per year. Proposals are due by November 23, 2021.

Sources and Additional Information:

- More information about the CRCNS program is available at <https://beta.nsf.gov/funding/opportunities/collaborative-research-computational-neuroscience-crcns>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2020/nsf20609/nsf20609.pdf>.

National Robotics Initiative 3.0: Innovations in Integration of Robotics

The National Robotics Initiative (NRI) is an interagency program that aims to develop the next generation of robots to work with humans to complete mundane, dangerous, precise, or expensive tasks. Through this program, NSF partners with the U.S. Department of Agriculture (USDA), the Department of Energy (DOE), the Department of Defense (DOD), and the National Aeronautics and Space Administration (NASA). New in 2021, the Department of Transportation and National Institutes of Health have been added as partner organizations, and the solicitation has been changed to de-emphasize the importance of human-robotic collaboration. Within the solicitation, each partner agency has listed specific areas of research, and NSF highlights scalable robotic technologies and configurable multi-agent teams as areas of particular interest. NSF expects that \$12.5 million to \$14 million will be available for 15 to 30 awards each year. Proposals are due in the submission window of February 8, 2022 – February 22, 2022, and annually thereafter.

Sources and Additional Information:

- More information about NRI is available at <https://beta.nsf.gov/funding/opportunities/national-robotics-initiative-30-innovations-integration-robotics-nri-30>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21559/nsf21559.pdf>.

Secure and Trustworthy Cyberspace

The Secure and Trustworthy Cyberspace (SaTC) program supports research to address cybersecurity research and development, scientific foundations, risk management, and workforce development, among other areas. Proposals must be included in one of three designations: CORE; Education (EDU); or Transition to Practice (TTP). CORE proposals address the main topics of interest to SaTC and are awarded under small, medium, and large tracks. TTP proposals are focused only on transitioning current research results into execution and are awarded under the small and medium tracks. Small projects may be funded up to \$500,000 for three years. Medium projects may be funded up to \$1.2 million for four years. Large projects may be funded up to \$3 million for five years. EDU proposals focus solely on cybersecurity education and are worth a maximum of \$400,000 for up to three years. NSF anticipates distributing 15 EDU awards, and for TTP and CORE projects: 35 small awards, and 25 medium awards, and 3 large. Small, medium, and EDU awards will be accepted anytime. Large award proposals were due between January 21, 2021, and January 29, 2021.

Sources and Additional Information:

- More information about the SaTC program is available at <https://beta.nsf.gov/funding/opportunities/secure-and-trustworthy-cyberspace-satc>.
- The most recent SaTC solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21500/nsf21500.pdf>.

NSF Program in Fairness in Artificial Intelligence in Collaboration with Amazon

This partnership between NSF and Amazon supports computational research that emphasizes fairness in AI. In FY 2021, proposals were due by August 3, 2021. Plans for FY 2022 have not yet been conveyed but this is a type of public-private partnership NSF hopes to pursue.

The goal of this program is to advance the development of trustworthy AI, facilitating its wide acceptance and implementation to “tackle the grand challenges facing society.” Topics of interest

include, but are not limited to transparency, explain-ability, accountability, inclusivity, potential adverse biases (including social biases) and effects, mitigation strategies, algorithmic advances, fairness objectives, validation of fairness, participatory design, and advances in broad accessibility and utility.” Successful proposals will focus on advancing U.S. capabilities to capitalize on potential AI technology and “broadened the acceptance of AI systems.” Projects should also combine the practices of technical, physical, social, behavioral, and economic sciences to build fair AI. In line with NSF’s mission to broaden participation, NSF and Amazon encourage proposals from underrepresented groups and the institutions that serve them.

There was \$600,000 to \$1 million available in funding for a period of three years, and this program anticipates granting 10 – 12 awards. Amazon plays a role in funding this project but will not be a part of the selection process.

Sources and Additional Information:

- More information on the NSF Program on Fairness in Artificial Intelligence on Collaboration with Amazon is available at <https://beta.nsf.gov/funding/opportunities/nsf-program-fairness-artificial-intelligence-collaboration-amazon>

Predictive Intelligence for Pandemic Prevention

The Predictive Intelligence for Pandemic Prevention (PIPP) initiative will “tackle grand challenges in infectious disease pandemics through prediction and prevention.” This is a new program in 2021 developed in part as a response to the global COVID-19 pandemic. PIPP research serves as an opportunity for scientists across disciplines to work on predicting future pandemics and understand emerging and re-emerging pathogens. PIPP research will combine advances in artificial intelligence, data collection, sensing, and modeling with understanding of biological interaction, pathogen transmission, and environmental factors in order to forecast future pandemics, and respond to events early.

PIPP is currently in its phase I initiative which will support planning activities. Phase I proposals “must identify an innovative interdisciplinary grand challenge that engages integrated computational, biological, engineering, and social/behavioral approaches to formulate and solve critical problems relating to predictive intelligence for pandemic prevention.” Phase II which will focus on center grants is expected to begin in 2023. NSF anticipates funding 25 to 30 phase I awards with a total funding of \$25 million available. The size and duration of awards are subject to the availability of funds. Phase I proposals were due October 1, 2021.

Sources and Additional Information:

- More information about the PIPP initiative is available at <https://beta.nsf.gov/funding/opportunities/predictive-intelligence-pandemic-prevention-phase-i-development-grants-pipp>.
- The most recent program solicitation is available at <https://www.nsf.gov/pubs/2021/nsf21590/nsf21590.pdf>.

Directorate for Engineering

Through investments in engineering research and education, the Directorate for Engineering (ENG) strives to improve “the understanding of natural systems, enhanced electronics, fortify the nation's

infrastructure, and introduce the exciting possibilities of engineering to the next generation.” ENG is divided into several programs, including: Chemical, Bioengineering, Environmental, and Transport Systems (CBET); Civil, Mechanical and Manufacturing Innovation (CMMI); Electrical, Communications and Cyber Systems (ECCS); Engineering Education and Centers (EEC); Emerging Frontiers and Multidisciplinary Activities (EFMA); and Industrial Innovation and Partnerships (IIP).

Sources and Additional Information:

- More information about the Directorate for Engineering is available at <https://www.nsf.gov/eng/about.jsp>.

Humans, Disasters, and the Built Environment

The Humans, Disasters, and the Built Environment (HDBE) program “supports fundamental, multidisciplinary research on the interactions between humans and the built environment within and among communities exposed to natural, technological and other types of hazards and disasters.” When evaluating communities affected by disasters, proposals should integrate considerations about population, the built environment, and exposure to hazards and disasters. There is no due date for applications to this program.

Sources and Additional Information:

- More information about the HDBE program is available at <https://beta.nsf.gov/funding/opportunities/humans-disasters-and-built-environment-hdbe>.

Leading Engineering for America’s Prosperity, Health, and Infrastructure

The Leading Engineering for America’s Prosperity, Health, and Infrastructure (LEAP HI) program aims to support research on “engineering problems that are too complex to yield to the efforts of a single investigator – problems that require sustained and coordinated effort from interdisciplinary research teams, with goals that are not achievable through a series of smaller, short-term projects.” Proposals for this opportunity must:

- “Support fundamental research projects involving collaborating investigators, of duration up to five years, with a total budget between \$1 million and \$2 million;”
- “Articulate a fundamental research problem with compelling intellectual challenge and significant societal impact, particularly on economic competitiveness, quality of life, public health, or essential infrastructure;”
- “Highlight engineering research in a leadership role;” and
- “Demonstrate the need for a sustained research effort by an integrated, interdisciplinary team.”

Letters of intent are due July 15 and full proposals are due by September 15 annually. NSF estimates it will award between 4 to 7 grants each year for a total of \$6.5 million to \$7.5 million.

Sources and Additional Information:

- More information about the LEAP HI program can be found at <https://beta.nsf.gov/funding/opportunities/leading-engineering-americas-prosperity-health-and-infrastructure-leap-hi>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2017/nsf17602/nsf17602.pdf>.

Emerging Frontiers in Research and Innovation

The Emerging Frontiers in Research and Innovation (EFRI) program supports interdisciplinary groups of researchers to tackle rapidly evolving innovations in fundamental engineering research. The solicitation will be executed in collaboration with the Directorates for Biological Sciences, Mathematical and Physical Sciences, and Social, Behavioral, and Economic Sciences, as well as the National Aeronautics and Space Administration, and the Air Force Office of Scientific Research. For FY 2022 and FY 2023, the two topics of interest are Brain-Inspired Dynamics for Engineering Energy-Efficient Circuits and Artificial Intelligence (BRAID) and Engineered Living Systems (ELIS).

NSF plans to fund 15 four-year awards with \$30 million total funding. Letters of intent for the FY 2022 solicitation are due November 10, 2021, preliminary proposals are due December 16, 2021, and full proposals are due March 10, 2022. For the FY 2023 solicitation, letters of intent are due September 12, 2022, preliminary proposals are due October 13, 2022, and full proposals are due February 7, 2023.

Sources and Additional Information:

- More information about the EFRI program can be found at <https://beta.nsf.gov/funding/opportunities/emerging-frontiers-research-and-innovation>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21615/nsf21615.pdf>.

Broadening Participation in Engineering

The Broadening Participation in Engineering (BPE) program at NSF supports research into the “development of a diverse and well-prepared engineering workforce” through “inclusion of all underrepresented populations in engineering, including gender identity and expression, race and ethnicity, disability, LGBTQ+, first generation college, and socio-economic status.” Specifically, this research includes goals such as:

- “Understand and analyze the systemic barriers that prevent underrepresented groups from pursuing and succeeding in engineering;”
- “Understand and analyze factors that enhance our ability to increase access to engineering by creating support systems and social networks that raise career awareness about different engineering pathways;”
- “Develop innovative methods and projects to significantly impact the recruitment and retention of engineering students from underrepresented groups;”
- “Develop innovative methods and projects to aggressively recruit and retain tenure-track faculty from underrepresented groups;” and
- “Design and transform culture to make diversity, equity, and inclusion a priority in the engineering enterprise.”

NSF estimates awarding 20 grants worth a total of \$1.5 million. The average award size is \$350,000 for three years. Proposals that exceed \$350,000 should be cleared with a program officer prior to submission. This opportunity does not have a deadline for applications.

Sources and Additional Information:

- More information about BPE can be found at <https://beta.nsf.gov/funding/opportunities/broadening-participation-engineering-bpe-0>.
- The most recent solicitation can be found at <https://www.grants.gov/web/grants/view-opportunity.html?oppld=314104>.

Disrupting Operations of Illicit Supply Networks

The Disrupting Operations of Illicit Supply Networks (D-ISN) program supports the following goals,

- “Improve understanding of the operations of illicit supply networks and strengthen the ability to detect, disrupt, and dismantle them.
- Support research on the illicit supply networks that fuel the national opioid epidemic
- Enhance research communities that effectively integrate operational, computational, social, cultural and economic expertise to provide methods and strategies to combat this complex and elusive global security challenge.
- Catalyze game-changing technological innovations that can improve discovery and traceability of illicitly sourced product inputs.
- Provide research outcomes that inform U.S. national security, law enforcement and economic development needs and policies.”

Projects are supported at up to \$1 million for four-years.

Sources and Additional Information:

- The D-ISN program page is available at <https://beta.nsf.gov/funding/opportunities/disrupting-operations-illicit-supply-networks-d-isn>.

Directorate for Biological Sciences

The NSF Directorate for Biological Sciences (BIO) promotes scientific research which improves the “understanding of the principles and mechanisms governing life.” Areas of interest include “biological molecules, cells, tissues, organs, organisms, populations, communities, and ecosystems up to and including the global biosphere.” BIO is divided into five divisions: the Division of Biological Infrastructure (DBI); the Division of Environmental Biology (DEB); the Division of Integrative Organismal Systems (IOS); the Division of Molecular and Cellular Biosciences (MCB); and the Emerging Frontiers Division (EF).

Sources and Additional Information:

- More information about BIO can be found at <https://www.nsf.gov/bio/about.jsp>.

Ecology and Evolution of Infectious Diseases

The Ecology and Evolution of Infectious Diseases (EEID) program is a joint effort between NSF, the National Institutes of Health (NIH), and the U.S. Department of Agriculture (USDA), as well as organizations from the United Kingdom, Israel, and China. It explores the “ecological, evolutionary, and social principles and processes that influence the transmission dynamics of infectious diseases.” Proposals should focus on a “quantitative or computational understanding of pathogen transmission dynamics.” Projects are encouraged to foster multidisciplinary teams. NSF and its U.S.-based partner agencies expect to distribute 12 awards totaling \$27.6 million for FY 2022. For 2022, the maximum award size has been increased to \$3 million. Applications are due November 24, 2021, and on the third Wednesday in November annually.

Sources and Additional Information:

- More information about the EEID program is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5269.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2020/nsf20585/nsf20585.htm>

Research Coordination Networks in Undergraduate Biology Education (RCN-UBE)

The NSF Research Coordination Networks in Undergraduate Biology Education (RCN-UBE) is a unique RCN track to “catalyze positive changes in biology undergraduate education” and is supported by the Directorate for Biological Sciences (BIO) and the Directorate for Education and Human Resources (EHR). The focus of an RCN-UBE proposal can be on any topic with the goal of enhancing biology education. RCN-UBE proposal can be up to five years in duration with budgets up to \$500,000. Additionally, the RCN-UBE will accept Incubator proposal for up to \$75,000 for one year.

NSF anticipates making 8 to 12 awards and the anticipated funding amount is between \$2.5 million and \$3.5 million. The full proposal deadline was January 19, 2021.

Sources and Additional Information:

- More information about the RCN-UBE program can be found at <https://beta.nsf.gov/funding/opportunities/research-coordination-networks-undergraduate-biology-education-rcn-ube>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2018/nsf18510/nsf18510.pdf>.

Dynamics of Integrated Socio-Environmental Systems

The Dynamics of Integrated Socio-Environmental Systems (DISES) program supports research that advances, “basic scientific understanding of integrated socio-environmental systems and the complex interactions (dynamics, processes, and feedbacks) within and among the environmental (biological, physical and chemical) and human (“socio”) (economic, social, political, or behavioral) components of such a system.” DISES research should address both an environmental science and social science perspective. DISES supports research projects between two- and five-years in duration with funding of up to \$1.6 million. DISES also supports the DISES Research Coordination Networks (RCN) which help coordinate and facilitate communication among DISES researchers and across research communities. DISES-RCN awards will be four or five years in duration with a total budget of up to \$500,000. NSF anticipates making 9 to 15 awards with a total anticipated funding of \$15 million to \$18 million. Full proposals for DISES research project awards and DISES-RCN awards are due on November 15 annually.

Sources and Additional Information:

- The DISES program page is available at <https://beta.nsf.gov/funding/opportunities/dynamics-integrated-socio-environmental-systems-dises>.
- The Most recent solicitation can be found at <https://www.nsf.gov/pubs/2020/nsf20579/nsf20579.pdf>.

Office of International Science and Engineering

The Office of International Science and Engineering (OISE) leads the international science and engineering efforts for NSF. OISE focuses on “promoting the development of a globally competent US workforce; facilitating and supporting international partnerships and networks to leverage NSF and foreign resources; and providing opportunities for US leadership to shape the global science and engineering agenda.” The major programs that OISE supports include the MULTIplying Impact Leveraging International Expertise in Research Missions (MULTIPLIER), the Partnerships for International Research and Education (PIRE), and the Accelerating Research through International Networks (AccelNet).

Sources and Additional Information:

- More information about OISE can be found at <https://www.nsf.gov/od/oise/about.jsp>.

Accelerating Research through International Network-to-Network Collaborations

The Accelerating Research through International Network-to-Network Collaborations (AccelNet) program aims to “accelerate the process of scientific discovery and prepare the next generation of US researchers for multiteam international collaborations.” Proposals funded by this program are expected to establish “international networks of networks in research areas aligned with a grand challenge identified as a priority by the research community or NSF, such as the NSF Big Ideas or in an active program solicitation.”

There are two types of proposals that can be submitted through this solicitation, design and implementation. Design awards are worth up to \$250,000 for up to three years and will “enable networks to develop operational links among networks and to design collaborative approaches that would address knowledge gaps.” Implementation awards are worth up to \$2 million for between three to five years and will aid established networks of networks “to coordinate research priorities and resources to address knowledge gaps and overcome research roadblocks.”

NSF expects to award 10 to 14 grants worth a total of \$10 million. Unlike previous years, no letters of intent will be due for this solicitation. Full proposals for the FY 2022 competition will be due October 11, 2021, and on the second Monday in October annually thereafter.

Sources and Additional Information:

- More information about AccelNet can be found at <https://beta.nsf.gov/funding/opportunities/accelerating-research-through-international-network-network-collaborations>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21511/nsf21511.pdf>.

Office of Integrative Activities

The Office of Integrative Activities (OIA) oversees many of NSF’s cross-cutting and interdisciplinary programs, working “across disciplinary boundaries to lead and coordinate strategic programs and opportunities that: advance research excellence and innovation; develop human and infrastructure capacity critical to the U.S. science and engineering enterprise; and promote engagement of scientists and engineers at all career stages.” OIA is involved with or oversees some of NSF’s most innovative and forward-thinking programs including NSF Big Ideas, Convergence Accelerator, and AI Institutes.

Sources and Additional Information:

- More information about OIA can be found at <https://www.nsf.gov/od/oia/about.jsp>.

NSF Big Ideas

The NSF Big Ideas, first released in 2016, are a set of ten long-term, cross-cutting research and process areas of focus for NSF. The research Big Ideas are the Future of Work at the Human-Technology Frontier (FW-HTF); Harnessing the Data Revolution (HDR); Navigating the New Arctic (NNA); Understanding the Rules of Life (URoL); the Quantum Leap; and Windows on the Universe. The process Big Ideas are: Mid-scale Research Infrastructure; NSF 2026; Growing Convergence Research; NSF Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science

(INCLUDES). All of the Big Ideas are intended to include research from across NSF's portfolio, but three specifically include a strong social and behavioral research component: HDR, FW-HTF, and NNA.

Sources and Additional Information:

- More information about the NSF Big Ideas can be found at https://www.nsf.gov/news/special_reports/big_ideas/.

Mid-Scale Research Infrastructure

The Mid-Scale Research Infrastructure program was established at NSF to support projects that do not meet the threshold for the Major Research Instrumentation and Major Research Equipment and Facilities Construction (MREFC) programs but would still significantly advance the goals of the Big Ideas. There are two sizes of Mid-scale grants available, Mid-scale Research Infrastructure-1 (Mid-scale RI-1) and Mid-scale Research Infrastructure-2 (Mid-scale RI-2).

Mid-scale RI-1 is intended to support infrastructure projects that range from \$6 million to \$20 million. The opportunity also includes a Design track which accepts proposals to prepare for future infrastructure that costs between \$600,000 and \$6 million. Mid-scale RI-2 supports projects worth between \$20 million and \$100 million, which is the lower threshold for MREFC proposals. Both of these Mid-scale opportunities support the infrastructure necessary to carry out social and behavioral science research, and in fact encourage social and behavioral science proposals.

Mid-scale RI-1 proposals were due January 7, 2021 and letters of intent for the Mid-scale RI-2 solicitation were due February 3, 2021.

Sources and Additional Information:

- More information about Mid-scale RI-1 can be found at <https://beta.nsf.gov/funding/opportunities/mid-scale-research-infrastructure-1-mid-scale-ri-1> and the most recent solicitation is available at <https://www.nsf.gov/pubs/2021/nsf21505/nsf21505.pdf>.
- More information about Mid-scale RI-2 can be found at <https://beta.nsf.gov/funding/opportunities/mid-scale-research-infrastructure-2-mid-scale-ri-2> and the most recent solicitation is available at <https://www.nsf.gov/pubs/2021/nsf21537/nsf21537.pdf>.

Cross-Cutting NSF Programs

Convergence Accelerator

NSF's Convergence Accelerator program is a relatively new effort at the agency that "addresses national-scale societal challenges through use-inspired convergence research." Some of the characteristics of Convergence Accelerator programs include integrated teams from multiple backgrounds and disciplines, a fixed term focused on deliverables, intensive education and mentorship, and intentional, proactive management.

The most recent Convergence Accelerator solicitation requested applications that support the Networked Blue Economy and Trust & Authenticity in Communications Systems. The 2021 Convergence Accelerator solicitation is a two-phase program: Phase I lasting for one year and focusing on development of an initial concept, Phase II lasting for two years and focusing on expanding personnel

and providing a deliverable. NSF anticipates making between 30 to 38 awards, of which 25 to 30 will be Phase I and 5 to 8 Phase II. Anticipated funding is \$22 million to support Phase I awards and Phase II proposal may request up to \$3 million for year one and up to \$5 million in for the two-year Phase II project. Letters of Intent were due for Phase I proposals only on May 5, 2021. Full proposals were due June 14, 2021 for Phase I proposals and will be May 25, 2022 for Phase II proposals. Only Phase I awardees are eligible to apply to Phase II.

Sources and Additional Information:

- More information on Convergence Accelerator can be found at <https://www.nsf.gov/od/oia/convergence-accelerator/> as well as at the program page <https://beta.nsf.gov/funding/opportunities/nsf-convergence-accelerator-phases-i-and-ii-2021-cohort>.
- The March 2019 Convergence Accelerator dear colleague letter with details about the previous competition can be found at <https://www.nsf.gov/pubs/2019/nsf19050/nsf19050.jsp?org=NSF>.
- The most recent Convergence Accelerator solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21572/nsf21572.pdf>.

Research Coordination Networks

The NSF Research Coordination Networks (RCN) is a cross-cutting program that is not led by any one directorate. The participating directorates include Biological Sciences, CISE, Geosciences, EHR, ENG, and SBE. The goal of RCN is to “advance a field or create new directions in research or education by supporting groups of investigators to communicate and coordinate their research, training, and educational activities across disciplinary, organizational, geographic, and international boundaries.” RCN grants are intended to support ways for investigators to share information and ideas, as well as coordinate research activities, develop community standards, and advance science and education through idea-sharing.

NSF estimates making 15 to 25 awards worth between \$7.5 million and \$12.5 million, though the number and amount varies between each directorate. There are no deadlines for this program.

Sources and Additional Information:

- More information about the RCN program can be found at <https://beta.nsf.gov/funding/opportunities/research-coordination-networks>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2017/nsf17594/nsf17594.pdf>.

Cyberinfrastructure for Sustained Scientific Innovation

The Cyberinfrastructure for Sustained Scientific Innovation (CSSI) program is cross-cutting and is not led by one directorate. However, CISE, Biological Sciences, EHR, ENG, Geosciences, and Math and Physical Sciences participate in this program. CSSI seeks to enable opportunities that are flexible and responsive to emerging needs in cyberinfrastructure, including the infrastructure necessary to support social and behavioral sciences.

The current solicitation includes three proposal tracks: elements, framework implementations, and transition to sustainability awards. Elements awards will support small groups that deploy “robust services for which there is a demonstrated need that will advance one or more significant areas of science and engineering.” Framework implementations awards target “larger, interdisciplinary teams organized around the development and application of common services aimed at solving common

research problems faced by NSF researchers in one or more areas of science and engineering, resulting in a sustainable community framework providing cyberinfrastructure services to a diverse community or communities.” Transition to sustainability awards target “groups who would like to execute a well-defined sustainability plan for existing CI with demonstrated impact in one or more areas of science and engineering supported by NSF. The sustainability plan should enable new avenues of support for the long-term sustained impact of the CI.” NSF anticipates awarding up to 20 elements grants and 10 framework implementation grants, and 5 transition to sustainability grants worth a total of \$34 million. Full proposals are due December 8, 2021.

Sources and Additional Information:

- More information about the CSSI program can be found at <https://beta.nsf.gov/funding/opportunities/cyberinfrastructure-sustained-scientific-innovation-cssi>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21617/nsf21617.pdf>.

National Artificial Intelligence (AI) Research Institutes

NSF has run two National Artificial Intelligence (AI) Research Institutes solicitations and expected to run additional competitions going forward. The first two solicitations included a range of partnership with other federal agencies and industry partners, including: the United States Department of Homeland Security (DHS) Science & Technology Directorate (S&T), the United States Department of Transportation (DOT) Federal Highway Administration (FHWA), and the United States Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA), as well as: Amazon, Intel Corporation, Google, and Accenture. The purpose of the National AI Research Institutes Program is the creation of AI Research Institutes to enable long-term payoffs and address larger-scale challenges in use-inspired and foundational AI research.

Sources and Additional Information:

- The National Artificial Intelligence (AI) Research Institutes program page is available at <https://beta.nsf.gov/funding/opportunities/national-artificial-intelligence-research-institutes>.

Coastlines and People Hubs for Research and Broadening Participation (CoPe)

The Coastlines and People (CoPe) Hubs for Research Broadening Participation program is a new multi-directorate solicitation. The purpose of the CoPe Hubs is to conduct basic research to improve the understanding of interactions among natural, human-built, and social systems in coastal, populated environments at multiple scales. Project topics can cover a wide range of issues including disaster resilience and decision making, interactions with the built vs. natural environment, or natural coastal ecosystem processes, among other areas. Hubs should establish partnerships that can lead to the development of practical planning and adaptation methods for responding to sea level rise, climate change, and natural disasters.

There will be two project funding tracks, Focused and Large-Scale:

- Focused Hubs will serve a specific geographic region or scientific question with smaller budgets. These projects will be funded at up to \$1 million per year for 3-5 years.
- Large-Scale Hubs will have large regional or national coverage and a broader scientific question. These awards will have larger funding amounts, between \$2-4 million per year, and may be carried out by either continuing grants or cooperative agreements for up to 5 years.

No Letters of Intent will be due for the 2021 CoPe solicitation. Full proposals for both proposal tracks are due December 6, 2021.

Sources and Additional Information:

- More information about the CoPe program can be found at <https://beta.nsf.gov/funding/opportunities/coastlines-and-people-hubs-research-and-broadening-participation-cope>.
- The most recent solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21613/nsf21613.pdf>.

National Institutes of Health

The primary function of the National Institutes of Health (NIH) is to support biomedical and health-related research. Included in this mission is research on the behavioral and social impacts on individuals and society as related to public health. This effort is guided by the Office of Behavioral and Social Sciences Research (OBSSR) within the Office of the Director (OD) at NIH. Most programs listed below are multi-agency or multi-institute solicitations coordinated by OBSSR. Additionally, each of NIH's 27 Institutes and Centers (ICs) has a social and behavioral sciences program or representative to ensure behavioral and social impacts are integrated into many individual solicitations. Please refer to each program's corresponding link to see which of NIH's 27 ICs, as well as which agencies within the Department of Health and Human Services (HHS), are collaborating on each solicitation and to understand the intended social and behavioral sciences research and applications. The focus of the research can and should be specifically geared to reflect the goals of one of the sponsoring ICs.

NIH grants are funded through a variety of funding mechanisms (i.e. R01, R03, and R21). NIH typically solicits grant applications three times a year: Cycle I (January through April); Cycle II (May through August); and Cycle III (September through December). The deadlines for grant proposals are published on NIH's Standard Due Dates for Competing Applications page found below. In some instances, programmatic opportunities are best illustrated in a Notice of Special Interest (NOSI), which is NIH's standard announcement that describes research priorities for a given Institute, program, or topical area.

Interested investigators are also encouraged to explore relevant ICs and their respective funding opportunities, as the solicitations may include social and behavioral sciences research and interventions. Further, while formal, dedicated funding for the Basic Behavioral and Social Science Opportunity Network (OppNet) concluded in May 2014, NIH ICs have agreed to continue collaborating with OBSSR on a voluntary basis and investing in interdisciplinary projects with unique considerations for and linkages to behavioral and social sciences. OppNet will continue to be a resource for behavioral and social science research.

Sources and Additional Information:

- The NIH's Standard Due Dates for Competing Applications page can be found at <https://grants.nih.gov/grants/how-to-apply-application-guide/due-dates-and-submission-policies/due-dates.htm>.
- A complete listing of current grant programs catalogued by OBSSR with submission receipt deadlines is available at <https://obssr.od.nih.gov/research-support/funding-announcements/>.
- Information about funding opportunities associated with OppNet can be found at <https://oppnet.nih.gov/funding>.

COVID-19 Related Opportunities

NOSI: Social, Behavioral, and Economic Impact of COVID-19 in Underserved and Vulnerable Populations

This Notice of Special Interest (NOSI) serves to address the additional public health needs that have been exacerbated by the COVID-19 pandemic, particularly as it pertains to vulnerable communities and health disparity populations. The NOSI aims to "1) emphasize the roles and impacts of interventions, particularly those under the umbrella of digital health, as well as community-engaged and multi-level interventions in healthcare settings to address access, reach, delivery, engagement, effectiveness,

scalability, and sustainability of services that are utilized during and following the pandemic, and 2) encourage the leveraging of existing large-scale data sources with broad population coverage to improve prediction of various mitigation efforts (including vaccinations, masking, and physical distancing to inform the public health response) on transmission reduction and on social and economic impacts, and assess the downstream health and healthcare access effects, with an emphasis on underserved and vulnerable populations.” Eleven different ICs are participating in this Notice, which expires on September 8, 2024.

Sources and Additional Information:

- The NOSI is available at <https://grants.nih.gov/grants/guide/notice-files/NOT-MH-21-330.html>.

Office of Behavioral and Social Sciences Research (OBSSR)

NOSI: Improving Patient Adherence to Treatment and Prevention Regimens to Promote Health

OBSSR, in collaboration with eleven other NIH ICs, issued a NOSI outlining its support for research that proposes to “address patient adherence to treatment and prevention regimens to promote health outcomes. Applications may address healthcare regimen initiation, implementation, and/or persistence by patients.” Successful proposals should have a well-articulated conceptual or theoretical basis. “Descriptive and intervention research may address adherence determinants at one or more levels of ecologic influence, including the patient, caregiver/family, provider and/or healthcare system, and community levels.” Each NIH organization has specific interests that can be reviewed within the solicitation. The NOSI was first released on April 8, 2021 and has an expiration date of June 8, 2024. More details about NIH’s interests in this topic, including eligible Funding Opportunity Announcements and IC-specific instructions, are listed in the NOSI.

Sources and Additional Information:

- The NOSI can be found at <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-100.html>.

OBSSR is the lead sponsor of three additional Notices of Special Interest, which are NIH’s standard announcements that describe research priorities for a given Institute, program, or topical area. The three NOSIs are:

Long-term Maintenance of Behavior Change Research

This Notice emphasizes the cross-cutting need for research into methods of promoting long term behavior changes for improving health. Possible topics of interest include types of behaviors that are well maintained, why they were maintained, impact on health outcomes, underlying attributes that may contribute to maintained behavior change, among other areas. The NOSI can be found at <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-19-040.html>.

Development and Preliminary Testing of Health-related Behavioral Interventions

This Notice supports behavioral intervention research on interventions to begin, stop, or maintain certain health related behaviors. Research may consider individuals, social, or environmental factors and should integrate basic sciences. The NOSI has an expiration date of September 26, 2022. The NOSI can be found at <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-106.html>.

Research to Improve the Interpretation of Patient-Reported Outcomes at the Individual Patient Level for Use in Clinical Practice

This Notice encourages research on patient-reported outcomes at the individual level to determine outside variables that may impact health outcomes. This will involve improving understanding and interpretation of PRO scores and understanding bias, variance, and error. The NOSI has a new expiration date of May 8, 2023. The NOSI can be found at <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-079.html>.

Mid-Career Enhancement Awards to Integrate Basic Behavioral, Biomedical, and/or Social Scientific Processes (K18 No Independent Clinical Trials)

This opportunity seeks to support mid-career researchers gaining experiences in the basic psychological processes which will help them to better integrate behavioral sciences into future projects. The funding opportunity was posted in June of 2020 and will run two more cycles with due dates on March 17, 2022 and March 17, 2023. Awardees will receive no more than \$35,000 for the year-long duration of the award.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/PA-20-211.html>.

National Human Genome Research Institute

Ethical, Legal, and Social Implications (ELSI) Research Program

Led by NHGRI and eight other ICs, NIH supports research that explores the ethical, legal, and social implications (ELSI) study of human genome research. Potential forms of research include “data-generating qualitative and quantitative approaches, legal, economic and normative analyses, and other types of analytical and conceptual research methodologies, such as those involving the direct engagement of stakeholders.”

The R03 version of this award funds projects up to maximum amount of \$50,000 per year for small, self-contained research projects, as well as preliminary data collection and the secondary analysis of existing data. The R21 award focuses on breaking new ground and extending “previous discoveries in new directions or develop preliminary data in preparation for larger studies. Of particular interest are studies that explore the implications of new or emerging genomic technologies or novel uses of genomic information.” Funding for the R21 award involves a maximum amount of \$275,000 for a two-year project, with no more than \$200,000 per year. The value and number of R01 solicitations depend on NIH appropriations and the number of “meritorious applications.” These awards follow NIH standard due dates and the most recent iteration was posted on July 28, 2020.

Sources and Additional Information:

- The full funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/PA-20-254.html> (R01); <http://grants.nih.gov/grants/guide/pa-files/PA-20-257.html> (R03); and <http://grants.nih.gov/grants/guide/pa-files/PA-20-255.html> (R21).
- The NHGRI ELSI program page can be found at <https://www.genome.gov/Funded-Programs-Projects/ELSI-Research-Program-ethical-legal-social-implications#funding>.

National Institute on Aging

Midcareer Investigator Award in Patient-Oriented Research

This multi-institute K24 award aims to support “mid-career health-professional doctorates for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty.” The total project duration for this grant may not exceed five years and NIH will provide up to \$50,000 annually for program related expenses. However, it is recommended that applicants connect with NIH points of contact to discuss additional budget logistics.

Sources and Additional Information:

- Information about the NIA Midcareer Investigator Awards in Patient-Oriented Research program is available at <https://www.nia.nih.gov/research/grants-funding/k24-midcareer-investigator-awards-patient-oriented-research>.

Mentored Patient-Oriented Research Career Development Award

The Mentored Patient-Oriented Research Career Development Award aims “to support the career development of individuals with a clinical doctoral degree who have made a commitment to focus their research endeavors on patient-oriented research.” As with the Midcareer Investigator Award in Patient-Oriented Research, total project duration may not exceed five years and it is encouraged that applicants connect with NIH points of contact to discuss award logistics. Standard application dates apply.

Sources and Additional Information:

- Information about the Mentored Patient-Oriented Research Career Development Awards from NIA is available at <https://www.nia.nih.gov/research/grants-funding/k23-mentored-patient-oriented-research-career-development-awards>.

Science of Behavior Change (SOBC)

Previously funded through the NIH Common Fund, this program has sought to encourage the acceleration of investigations focused on the wide range of evidence-based interventions to improve treatment and maintenance of behavior changes. Following the conclusion of its Common Fund support, NIA has continued to further the program’s goals to “(1) unify the science of behavior change through a focus on mechanisms of behavior change and by strengthening links between basic and applied behavioral science; (2) strengthen behavioral intervention development by implementing the experimental medicine approach to behavior change research and developing the tools required to implement such an approach; and (3) increase rigor, transparency, and dissemination of common terminology, methods, and measures to advance the field of behavior change research.”

Sources and Additional Information:

- More information about the Science of Behavior Change can be found at <https://www.nia.nih.gov/research/dbsr/science-behavior-change-sobc>.
- More information about funding opportunities supported by this program can be found at <https://www.nia.nih.gov/research/dbsr/science-behavior-change-sobc#FOAs>.

National Cancer Institute

Innovative Approaches to Studying Cancer Communication in the New Media Environment

Through this solicitation, NCI aims to fund research into how new forms of communication can lead to behavioral change and cancer reduction. Research should focus on one of three areas of interest: 1) the utility and application of new cancer communication surveillance approaches; 2) the development and testing of rapid cancer communication interventions using innovative methods and designs; and 3) the development and testing of multilevel cancer communication models emphasizing bidirectional influence between levels." Upcoming due dates for this program are October 13, 2021 and June 8, 2022.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/par-19-348.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/par-19-350.html> (R21).

Intervening with Cancer Caregivers to Improve Patient Health Outcomes and Optimize Health Care Utilization

NCI funds research regarding how best to "support caregivers of adult cancer patients." Successful proposals for this opportunity should "provide caregivers with care training, promote coping skills, and ultimately help them manage care. Outcomes of such interventions are expected to (1) optimize patient health care utilization, (2) improve caregiver well-being, and (3) improve patient physical health and psychosocial outcomes." This funding opportunity opened on September 17, 2019 and will follow standard due dates until expiry on September 8, 2022.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/par-19-352.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/par-19-355.html> (R21).

Intervention Research to Improve Native American Health

NCI, along with 13 other ICs, is using this opportunity to support "exploratory developmental research to improve Native American (NA) health." Topics of interest include: "secondary analysis of existing data;" the use of "various sources of data to answer critical research questions;" "pilot and feasibility studies;" and/or measures under development for NA communities. Specifically, studies "should be culturally appropriate and result in promoting the adoption of healthy lifestyles; improve behaviors and social conditions and/or improve environmental conditions related to chronic disease; prevent or reduce the consumption of tobacco, alcohol, and other drugs; improve mental health outcomes; reduce risk of HIV infection; improve treatment adherence and/or health-care systems adopting standards of care to improve overall quality of life." Proposals are due May 17, 2022 and May 17, 2023.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/par-20-238.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/par-20-214.html> (R21).

National Institute on Drug Abuse

Accelerating the Pace of Drug Abuse Research Using Existing Data

NIDA, in collaboration with NCI and the National Institute on Alcohol Abuse and Alcoholism (NIAAA), invites applications proposing “research that will increase scientific understanding of the health status of diverse population groups and thereby improve the effectiveness of health interventions and services for individuals within those groups.” Successful applications should focus on “innovative analyses of extant data, including new aims that are being addressed with existing data, new or advanced methods of analyses, or novel combination and integration of datasets to allow the exploration of new questions.” This funding opportunity has a budgetary limit of \$500,000 per year and a maximum project period of up to five years. This opportunity follows standard due dates with an original expiration of September 8, 2021, however a Notice to Extend the Expiration Date was released on August 3, 2021 that will extend the expiration date by one council round. New applications will now be accepted until October 5, 2021 and resubmission applications will be due by November 5, 2021.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/PA-19-368.html> (R01).
- The Notice to Extend the Expiration Date is available at <https://grants.nih.gov/grants/guide/notice-files/NOT-DA-21-068.html>.

Behavioral and Integrative Treatment Development Program

NIDA, NIAAA, and OBSSR partner to support research and clinical trials to develop and test “behavioral or integrative interventions targeting (a) substance abuse; (b) prevention of acquisition or transmission of HIV infection among individuals in drug abuse treatment; (c) promotion of adherence to drug abuse treatment, HIV and addiction medications; and (d) chronic pain. A broad range of behavioral treatments may be included in the proposed research, but behavioral components must be integrated with other treatments, including “medications or complementary and alternative (CAM) treatments.” There are R01 and R34 (Clinical Trial Planning Grant Program mechanism) versions of this award. This opportunity follows standard due dates with an expiration of March 23, 2022.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/par-19-212.html> (R01) and <https://grants.nih.gov/grants/guide/pa-files/par-19-213.html> (R34).

The Application of Big Data Analytics to Drug Abuse Research

NIDA has an active Notice of Special Interest (NOSI) focused on using data to examine the neurobiological and behaviors that are at the root of addiction. Specific areas of interest include translation of animal and human research data, software development for such research, machine learning or automated tools, or new methods to analyze multiple sources of related data. Research “may involve one or more data sets or knowledge sources but should address fundamental research questions associated with substance abuse research and also develop computational tools (e.g., aggregated datasets, standards, analytic software) facilitating future analysis of substance abuse research data.” This NOSI expires on January 8, 2022.

Sources and Additional Information:

- NOSI is available at <https://grants.nih.gov/grants/guide/notice-files/NOT-DA-19-041.html>.

Fogarty International Center

Mobile Health: Technology and Outcomes in Low and Middle-Income Countries

This funding announcement, initiated by the FIC in partnership with six other NIH offices and institutes, serves as an opportunity to support “exploratory/developmental research applications that propose to conduct research to develop or adapt innovative mobile health (mHealth) technology specifically suited for low and middle-income countries (LMICs) and determine the health-related outcomes associated with implementation of the technology.” There is a particular interest in multidisciplinary proposals investigating chronic disease. This opportunity is a re-issue of a 2019 opportunity and has due dates on November 15, 2021 and November 15, 2022.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/PAR-21-303.html> (R21/R33).

National Institute on Minority Health and Health Disparities

Social Epigenomics Research Focused on Minority Health and Health Disparities

The National Institute on Minority Health and Health Disparities (NIMHD), in collaboration with NCI and NIA, is funding this award to “support and accelerate innovative exploratory and developmental human epigenomic investigations focused on identifying and characterizing the mechanisms by which social experiences at various stages in life, both positive and negative, affect gene function and thereby influence health trajectories or modify disease risk in minority and health disparity populations.” Competitive applications will examine “the identification and study of human epigenetic marks that are of social origin or are substantially influenced at a population level by social processes.” Applications are due on November 8, 2021.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/par-19-372.html> (R01).

Research to Address Vaccine Hesitancy, Uptake, and Implementation among Populations that Experience Health Disparities

NIMHD, in conjunction with several other institutes and centers, is supporting community-engaged projects focused on intervention strategies that aim to increase inoculation rates and address existing barriers that have led to disproportionate vaccination uptake among communities that experience vaccine hesitancy. This NOSI highly encourages applications centered around urgent vaccination topics, as well as the consideration of cultural and historical factors that contribute to an individual’s beliefs or perceptions of the risks associated with vaccine uptake, vaccine misinformation, and vaccine distribution. This NOSI expires on January 8, 2022.

Sources and Additional Information:

- The NOSI is available at <https://grants.nih.gov/grants/guide/notice-files/NOT-MD-21-008.html>.

Health Services Research on Minority Health and Health Disparities

This solicitation supports projects with a focus on improving access to quality health care and overall health outcomes of racial and ethnic minorities that have historically affected by health disparities. This

includes all services provided in the healthcare setting where individuals from health disparity populations seek care with a clinician for preventive services, chronic disease management, urgent symptomatic care, emergency care, and hospital care,” which also includes virtual meetings or consultations as well as home visits. Projects should take into consideration individual interactions with healthcare systems, social determinants of health, and patient-clinician relationships. Applications are due on November 17, 2021, March 17, 2022, November 17, 2022, and February 17, 2023.

Sources and Additional Information:

- The funding announcement can be found at <https://grants.nih.gov/grants/guide/pa-files/PAR-20-310.html>.

The Health of Sexual and Gender Minority (SGM) Populations

Sixteen ICs have released a collaborative Notice of Special Interest for research “on sexual and gender minority (SGM) populations, including lesbian, gay, bisexual, transgender, and intersex populations. Basic, social, behavioral, clinical, and services research relevant to the missions of the sponsoring Institutes and Centers may be proposed.” Research supported may include topics such as examining patterns of risk and morbidity for SGM populations; biological, behavioral, social, and environmental factors contributing to health outcomes for SGMs; interventions to improve health disparities; and design, implementation, and evaluation of preventative treatments.

Sources and Additional Information:

- The NOSI is available at <https://grants.nih.gov/grants/guide/notice-files/NOT-MD-19-001.html>.

National Institute of Nursing Research

End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses

The National Institute of Nursing Research (NINR), in collaboration with NCI, NICHD, and the Office of Research on Women’s Health (ORWH), are funding this award to “foster research on the unique perspectives, needs, wishes, and decision-making processes of adolescents and young adults... with serious, advanced illnesses; and research focused on specific end-of-life/palliative care (EOLPC) models that support the physical, psychological, spiritual, and social needs of AYA with serious illness, their families and caregivers.” Standard dates apply with an expiration date of January 8, 2022.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/PAR-19-136.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/PAR-19-153.html> (R21).

Applying a Biopsychosocial Perspective to Self-Management of Chronic Pain

This solicitation aims to fund projects that investigate biopsychosocial methods of chronic pain management that serve as alternatives to opioids. Examples of potential research objectives include, but are not limited to, identifying barriers to chronic pain self-management to reduce disparities among at-risk populations, developing models of biopsychosocial predictors of chronic pain, and adapting existing or developing new tools to improve overall psychological and social well-being. Applicants are encouraged to reach out to the NINR Scientific/Research Contact prior to submitting their application to discuss research topics and ideas. Standard dates apply with an expiration date of January 8, 2022.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/PA-18-945.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/PA-18-946.html> (R21).

National Institute of Neurological Disorders and Stroke

BRAIN Initiative: Exploratory Research Opportunities Using Invasive Neural Recording and Stimulating Technologies in the Human Brain

Issued by the National Institute of Neurological Disorders and Stroke (NINDS), this award is also sponsored by eleven additional NIH ICs. The award seeks to “to assemble integrated, multi-disciplinary teams” to “investigate high-impact questions in human neuroscience. Projects should maximize opportunities to conduct innovative in vivo neuroscience research made available by direct access to brain recording and stimulating from invasive surgical procedures.” Some topics of interest include: “neurobiology of cognitive functions specially advanced in humans;” “network coding of sensory information;” “neural circuitry associated with diverse social behaviors;” and “the emergent properties of the interaction of neurons circuits and networks.” Application teams can come from a single institution, but it is highly encouraged to assemble teams from several research organizations. NIH anticipates that up to \$8 million will be provided to fund up to five awards. The due date is October 29, 2021.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-19-001.html> (U01).

Music and Health: Understanding and Developing Music Medicine

NINDS seeks applications that “build upon basic and applied research demonstrating the novel benefits of music on improving health.” Projects should have a focus on improving overall health and well-being among healthy individuals and/or individuals with diseases and disorders. NINDS encourages projects that are collaborative, multidisciplinary, and include the participation of “musicians, music therapists, biomedical, behavioral, and/pr social scientists.” The companion R21 solicitation shares the same mission, however there is an emphasis on exploratory projects. Applications for both opportunities are due on February 5, 2022 and February 5, 2023.

Sources and Additional Information:

- The funding announcements are available at: <https://grants.nih.gov/grants/guide/pa-files/par-21-100.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/par-21-099.html> (R21).

National Institute of Mental Health

Advanced Laboratories for Accelerating the Reach and Impact of Treatments for Youth and Adults with Mental Illness (ALACRITY) Research Centers

NIMH “invites applications for centers to support transdisciplinary teams of clinical and mental health services researchers, behavioral scientists, social scientists, health information and communications technologists, health systems engineers, decision scientists, and mental health stakeholders (e.g., service users, family members, clinicians, payers) to engage in high-impact studies that will significantly advance clinical practice and generate knowledge that will fuel transformation of mental health care in the United States.” The funding opportunity “will support the rapid development, testing, and

refinement of novel and integrative approaches for (1) optimizing the effectiveness of therapeutic or preventive interventions for mental disorders within well-defined target populations; (2) organizing and delivering optimized mental health services within real world treatment settings; and (3) continuously improving the quality, impact, and durability of optimized interventions and service delivery within diverse care systems.” Funding is limited to \$1 million per year with a total project period of up to four years. Upcoming deadlines are May 17, 2022, and May 17, 2023.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/PAR-20-293.html> (P50).

Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions

This solicitation supports “clinical trials to establish the effectiveness of interventions and to test hypotheses regarding moderators, mediators, and mechanisms of action of these interventions” for mental illness. It aims to fund “clinical trials designed to test patient-, provider-, organizational-, or systems-level services interventions to improve access, continuity, quality, equity, and/or value of services.” Topics of interest include “research to evaluate the effectiveness or increase the clinical impact of pharmacologic, somatic, psychosocial (psychotherapeutic, behavioral), device-based, rehabilitative and combination interventions to prevent or treat mental illness.” Researchers using multiple sites should apply for the Collaborative R01 award. NIMH anticipates funding this work with \$18 million in FY 2018. Researchers should limit their project period to 3-4 years. There are three annual due dates that extend until February 15, 2024, however the next deadline is on October 15, 2021.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/PAR-21-129.html> (Collaborative R01); and <https://grants.nih.gov/grants/guide/pa-files/PAR-21-130.html>

Early-Stage Testing of Pharmacologic or Device-based Interventions for the Treatment of Mental Disorders

This award supports “the efficient pilot testing of novel psychosocial therapeutic and preventive interventions for mental disorders in adults and children, using an experimental therapeutics approach.” As an R61/R33 award, this project involves two parts. In the R61 phase, support “will be provided for up to two years for preliminary milestone-driven testing of the intervention’s impact on a target (a process or mechanism associated with risk for, causation, or maintenance of a clinical condition), that is, its target engagement. Contingent on meeting ‘go/no-go’ milestones in the R61 phase, up to 3 years of additional support (R33 phase) may be provided for studies to replicate target engagement and relate change in the intervention target/mechanism to clinical benefit.” This solicitation hopes to accelerate the “translation of emerging basic science findings of mechanisms and processes underlying mental disorders into novel interventions that can be efficiently tested for their promise in restoring function and reducing symptoms for those living with mental disorders, or for preventing mental disorders among those at risk.” The R61 phase may take up to 2 years, whereas the R33 phase may take up to 3 years to complete. NIMH anticipates funding this research with \$18 million for FY 2018. Applications for awards were due by October 15, 2021, however more deadlines have been added starting February 12, 2022, through February 15, 2024.

Sources and Additional Information:

- The funding announcement for the R61/R33 award is available at <https://grants.nih.gov/grants/guide/pa-files/PAR-21-137.html>.
- A companion announcement for R33 (Phase II) awards, “Development of Psychosocial Therapeutic and Preventative Intervention for Mental Disorders,” is available at <https://grants.nih.gov/grants/guide/pa-files/PAR-21-134.html>.

Dissemination and Implementation Research in Health

This funding announcement supports projects that “identify, develop, test, evaluate and/or refine strategies to disseminate and implement evidence-based practices (e.g. behavioral interventions; prevention, early detection, diagnostic, treatment and disease management interventions; quality improvement programs) into public health, clinical practice, and community settings.” NIMH also supports studies which hope to improve the “implementation research methods and measures.” Standard dates apply with an expiration date of May 8, 2022.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/PAR-19-274.html> (R01); <https://grants.nih.gov/grants/guide/pa-files/par-19-276.html> (R03); and <https://grants.nih.gov/grants/guide/pa-files/par-19-275.html> (R21).

Formative and Pilot Intervention Research for Prevention and Treatment of HIV/AIDS

This funding announcement “encourages formative research, intervention development, and pilot-testing of interventions.” NIMH encourages proposals which address “the feasibility, tolerability, acceptability and safety of novel or adapted interventions that target HIV prevention or treatment.” Both prevention and intervention projects would include structural, social, and behavioral approaches. Projects may last up to three years with a maximum funding amount of \$450,000, with no more than \$225,000 per year. Standard dates apply with an expiration date of January 8, 2023.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/PA-20-141.html> (R34).

Innovations in HIV Testing, Adherence, and Retention to Optimize HIV Care Continuum Outcomes

This opportunity supports projects that focus on “HIV testing, adherence, and retention in care, to optimize HIV clinical outcomes and preventive benefit.” The solicitation noted that more methods are required to fill in the informational gaps and that treatment plans need to be tailored to specific populations and locations. Competitive proposals include “formative basic behavioral and social science to better understand a step in the care continuum and/or multiple steps in the HIV care continuum, and initial development and pilot tests of innovative approaches for intervention.” Standard dates apply with an expiration date of January 8, 2023.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/pa-20-144.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/PA-20-145.html> (R21).

Understanding and Modifying Temporal Dynamics of Coordinated Neural Activity

NIMH seeks research that “tests whether modifying electrophysiological patterns during behavior can improve cognitive, affective, or social processing.” The solicitation recommends that proposals address at least one topic of interest, such as: “(1) in animals or humans, determine which parameters of neural coordination, when manipulated in isolation, improve particular aspects of cognitive, affective, or social processing; (2) in animals or humans, determine how particular abnormalities at the genomic, molecular, or cellular levels affect the systems-level coordination of electrophysiological patterns during behavior; (3) determine whether in vivo, systems-level electrophysiological changes in behaving animals predict analogous electrophysiological and cognitive improvements in healthy persons or clinical populations; and (4) use biologically-realistic computational models that include systems-level aspects to understand the function and mechanisms by which oscillatory and other electrophysiological patterns unfold across the brain to impact cognitive, affective, or social processing.” Standard dates apply with an expiration date of February 5, 2024, for new applications and March 5, 2024, for renewals/resubmissions.

Sources and Additional Information:

- The funding announcements are available at <https://grants.nih.gov/grants/guide/pa-files/PAR-21-175.html> (R01); and <https://grants.nih.gov/grants/guide/pa-files/PAR-21-176.html> (R21).

National Institute of Diabetes and Digestive and Kidney Diseases

Obesity Policy Evaluation Research

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) has an active Notice of Special Interest in Obesity Policy Evaluation Research. The Notice acknowledges that obesity is a common comorbidity and root cause of many serious health conditions. Research that could be conducted through this FOA include topics such as effectiveness of food and beverage taxes, infrastructure and built environment modifications, healthcare policies such as fitness plan reimbursements, food labeling, and other novel ideas related to housing, transportation, sleep, or a combination of these. Applicants are especially encouraged to focus on outcomes related to low income or racial minority populations. This NOSI expires on September 8, 2023.

Sources and Additional Information:

- Full details of the NOSI are available at <https://grants.nih.gov/grants/guide/notice-files/NOT-DK-20-035.html>.

Time-Sensitive Obesity Policy and Program Evaluation

NIDDK aims to “support time-sensitive research to evaluate a new policy or program expected to influence obesity related behaviors (e.g., dietary intake, physical activity, or sedentary behavior) and/or weight outcomes in an effort to prevent or reduce obesity.” Proposals should have an “uncommon and scientifically compelling research opportunity that will only be available if the research is initiated with minimum delay.” This program has a large number of future due dates—approximately one per month through September 2024.

Sources and Additional Information:

- The funding announcement is available at <https://grants.nih.gov/grants/guide/pa-files/PAR-21-305.html> (R01).

Health and Human Services

The Department of Health and Human Services (HHS) is the federal department focused on improving “the health and well-being of all Americans” through “sound, sustained advances in the sciences underlying medicine, public health, and social services.” As previously stated, while most of the social and behavioral sciences research funding within HHS is awarded through the National Institutes of Health’s (NIH) Office of Behavioral and Social Sciences Research (OBSSR), several HHS agencies which are focused on health care delivery and quality improvement fund limited and highly competitive research opportunities in the social and behavioral sciences.

Sources and Additional Information:

- More information on HHS can be found at <https://www.hhs.gov/about/strategic-plan/introduction/index.html>.
- Information on HHS grant policies can be found at <https://www.hhs.gov/grants/index.html>.

Health Resources and Services Administration (HRSA)

The Health Resources and Services Administration (HRSA) is the primary federal agency focused on providing health care services to underserved and vulnerable populations across the country, training the next generation of health care delivery providers, and improving both the delivery of health care services and the placement of health care providers in geographically underserved areas of the country. Though there are very limited funding opportunities related to social and behavioral science at HRSA, the agency’s Maternal and Child Health Bureau (MCHB) Division of Research’s Office of Epidemiology and Research funds one-year and multi-year social and behavioral research projects.

Sources and Additional Information:

- More information on HRSA can be found at <https://www.hrsa.gov/about/index.html>.

Maternal and Child Health Bureau (MCHB) Division of Research Office of Epidemiology and Research

The MCHB Division of Research “works to solve current and emerging maternal and child health problems,” while the Division of Epidemiology helps maternal and child health (MCH) professionals “gather, analyze, and use data for planning and policymaking.” MCHB primarily funds extramural research that is targeted towards exploring “the interwoven roles of families, neighborhoods, health care services, and health policies” and building connections that direct resources to priority research areas. Autism-related research has recently been a high-importance subject at MCHB. There are three primary funding mechanisms for researchers: research networks funded through cooperative agreements, the Field-Initiated Innovation Research Studies (FIRST), and the Secondary Data Analysis Research Studies (SDAR) program.

In fiscal year (FY) 2021, the Office funded MCH FIRST projects “to advance the health and well-being of MCH populations by supporting innovative, applied, and translational intervention research studies on critical issues affecting MCH populations,” and Autism FIRST projects “to support empirical research that advances the evidence base on interventions designed to improve the health of children, adolescents, and young adults with autism spectrum disorders and other developmental disabilities (ASD/DD) across

the lifespan.” In FY 2020, the Office funded MCH SDAR projects that supported applied MCH research efforts to improve the health and well-being of MCH populations through analysis of secondary, publicly available data. In FY 2021, the Office funded Autism SDAR projects “to determine the evidence-based practices for interventions to improve the physical and behavioral health of children and adolescents” with ASD/DD across the lifespan.

Field-Initiated Innovation Research Studies

The MCH FIRST program funds research that addresses critical and emerging issues in MCH while incorporating HRSA’s clinical priorities and the MCHB Strategic Research Issues. The Autism FIRST program supports investigator-initiated research that addresses “critical issues surrounding the health and well-being of underserved children, adolescents, and young adults with ASD/DD up to the age of 26, and their families.” Autism FIRST projects must generate new data. MCH and Autism FIRST awards are typically funded every other year, on alternating years; MCH FIRST was last awarded in 2020, and Autism FIRST was last awarded in 2021. There are currently no open opportunities.

Secondary Data Analysis Research Studies

The MCH SDAR program presents the opportunity to test new hypotheses using existing data sets to improve the health and well-being of target populations while considering MCHB’s Strategic Research Issues, Healthy People 2020 goals, HRSA’s clinical priorities, and emerging research topics. The Autism SDAR projects should “address ASD/DD across the lifespan, with a focus on addressing the needs of underserved populations for whom there is limited evidence of the effectiveness of interventions, and limited access to screening, diagnosis, and treatment for ASD/DD,” and contribute to a greater public health impact by improving patient engagement and service delivery. SDAR programs, in contrast to FIRST programs, must exclusively utilize secondary analyses of existing data sets, rather than generate new data. There are currently no open opportunities.

Sources and Additional Information:

- More information on the Office of Epidemiology and Research is available at <https://mchb.hrsa.gov/data-research-epidemiology/research-epidemiology>.
- A list of funding opportunities at the Office of Epidemiology and Research can be found at <https://www.hrsa.gov/grants/find-funding?status=All&bureau=645>.
- More information on the MCH FIRST and MCH SDAR programs can be found at <https://www.hrsa.gov/grants/find-funding/hrsa-20-056> and <https://www.hrsa.gov/grants/find-funding/hrsa-20-057>.
- More information on the Autism FIRST and Autism SDAR programs can be found at <https://www.hrsa.gov/grants/find-funding/hrsa-21-053> and <https://www.hrsa.gov/grants/find-funding/hrsa-21-052>.
- Information on all potential funding mechanisms under the Office can be found at <https://mchb.hrsa.gov/research/projects.asp>.
- More information on MCHB’s Strategic Research Issues can be found at <https://mchb.hrsa.gov/research/strategic-research-issues.asp>.

Agency for Healthcare Research and Quality

The Agency for Healthcare Research and Quality (AHRQ) is the primary federal agency responsible for improving the safety and quality of the country’s health care system. AHRQ’s mission is to “produce evidence to make health care safer, higher quality, more accessible, equitable, and affordable, and to

work within the U.S. Department of Health and Human Services and with other partners to make sure that the evidence is understood and used.”

Recent AHRQ funding opportunities have focused on reducing health care-associated infections (HAIs); advancing patient safety; utilizing digital health services to improve quality of care, particularly in the context of COVID-19; patient-centered outcomes research; medication safety; and combating antibiotic-resistant bacteria. AHRQ has also recently expressed explicit interest in advancing health equity and addressing the substance use disorder epidemic in Special Emphasis Notices. AHRQ encourages an interdisciplinary, systems science patient safety approach that incorporates expertise in organizational theory, industrial engineering, education, facilities design, and other specialties in addition to health research. As a result of the COVID-19 pandemic, AHRQ altered their priorities to include an increased focus on digital health; supported research concerning COVID-19 hospitalizations, vaccinations, and equity; awarded grants to examine the response of the healthcare system to the pandemic; and established a National Nursing Home COVID Action Network.

AHRQ accepts investigator-initiated, unsolicited grant applications, and most program officers within the agency are willing to discuss white papers prior to applying for a grant. AHRQ continues to fund grant applications for its Program Announcements (PAs) in “continuing, new, or expanded programs at the agency.” Funding mechanisms for PAs include R01 grants, which are large research projects focused on AHRQ priority areas; R03 grants, which are smaller, short-term, non-renewable grants; and R18 grants, which are research and dissemination grants.

Notably, many social and behavioral science grants are jointly funded by the NIH’s Office of Behavioral and Social Sciences Research (OBSSR).

Sources and Additional Information:

- More information about AHRQ can be found at <https://www.ahrq.gov/cpi/about/index.html>.
- Additional information about AHRQ’s interests and priorities can be found at <https://www.ahrq.gov/cpi/about/profile/index.html>.
- Recent AHRQ Special Emphasis Notices can be found at <https://www.ahrq.gov/funding/priorities-contacts/special-emphasis-notice/index.html>.
- Funding priorities for AHRQ can be found at <https://www.ahrq.gov/funding/priorities-contacts/index.html>.
- A complete list of open funding opportunities can be found at <https://www.ahrq.gov/funding/fund-opp/index.html>.

National Endowment for the Humanities

The National Endowment for the Humanities (NEH) is the largest federal funding source for humanities projects and scholarships. NEH received a funding increase of \$5.25 million in fiscal year (FY) 2021, bringing its total budget to \$167.5 million and continuing a recent trend of funding increases for NEH. NEH programs are organized through several divisions and offices, including the Division of Education Programs, Division of Preservation and Access, Division of Public Programs, Division of Research Programs, Office of Challenge Programs, Office of Digital Humanities, and State and Federal Partnerships Office. NEH program solicitations are released annually and the application deadlines for each on-going program are posted on the NEH grants website.

On October 5, 2021, President Biden nominated Shelly Lowe, a current member of the National Council on the Humanities with an academic background in Native American/American Indian studies, to be NEH Chair. The agency will continue to be led by Assistant Chairman for Programs Adam Wolfson until her confirmation. Prior to nomination of a Chair, who sets agency funding priorities, NEH has adopted several whole-of-government initiatives instituted by the White House. These focus areas include addressing the impacts of climate change, improving racial equity and justice, responding to the COVID-19 pandemic, enhancing civics education and securing democracy, and reclaiming American global leadership. NEH has also continued existing initiatives, including the “Standing Together” initiative on veterans and war and the “A More Perfect Union” initiative on the impacts of the U. S.’ founding. However, priorities of the A More Perfect Union have shifted to place additional emphasis on projects exploring the racial history of the country.

A complete listing of grant programs offered by NEH with submission receipt deadlines can be found at <http://www.neh.gov/grants>.

Division of Education Programs

The NEH Division of Education Programs “supports humanities education through programs aimed primarily at program and curriculum development and through professional development opportunities for K-12 and higher education faculty.” The Division of Education Programs sponsors intensive summer, professional, and curriculum development programs.

Source and Additional Information:

- More information on the Division of Education Programs is available at <https://www.neh.gov/divisions/education>.

Humanities Connections

The Humanities Connections grant program aims to “expand the role of the humanities in undergraduate education at two- and four-year institutions,” offering students in the social and natural sciences, as well as pre-service or professional programs, new opportunities to develop the intellectual skills and habits of mind that the humanities cultivate. NEH stresses the interdisciplinary nature of this program. Successful projects will fulfill four core requirements: “substantive and purposeful integration of the subject matter, perspectives, and pedagogical approaches of two or more disciplines (with a minimum of one in and one outside of the humanities); collaboration between faculty from two or more separate departments or schools at one or more institutions; experiential learning as an intrinsic part of the curricular plan; and long-term institutional support for the proposed curriculum innovation(s).”

There are two funding mechanisms: Planning Grants, which “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 goal of designing a new, coherent curricular program or initiative;” and Implementation Grants, which “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.”

Planning Grant awardees may receive a maximum of \$35,000 over 12 months. Implementation Grant awardees may receive up to \$100,000 for a period between 18 and 36 months. This competition closed on September 14. There is no forecasted date available yet for the next cycle of applications.

Source and Additional Information:

- More information on the Humanities Connections program is available at <https://www.neh.gov/grants/education/humanities-connections>.

Dialogues on the Experience of War

The Dialogues on the Experience of War, part of the larger *Standing Together: The Humanities and the Experience of War* initiative, is a grant program at NEH that “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 to think more deeply about the issues raised by war and military service.” While these discussions on the nature of war are open to the general public, NEH specifies that the primary focus of the program is to reach veterans, as well as active military servicemembers and military families. NEH will award grants of up to \$100,000 for a period of 12-24 months. The deadline for the current grant cycle was October 14, 2021 for projects beginning May 1, 2021.

Source and Additional Information:

- More information on the Dialogues on the Experience of War is available at <https://www.neh.gov/grants/education/dialogues-the-experience-war>.

Humanities Initiatives at Community Colleges, Tribal Colleges, Historically Black Colleges, and Hispanic-Serving Institutions

NEH has made a concerted effort in recent years to bolster humanities programs at Community Colleges, Tribal Colleges and Universities, Historically Black Colleges and Universities, and Hispanic-Serving Institutions. Humanities Initiatives at these institutions are intended to enrich the academic experiences of students by enhancing valuable skills that translate outside of the classroom. Successful projects “must be organized around a core topic or set of themes, drawn from humanities areas of studies such as history, philosophy, religion, literature, and composition and writing skills.”

While requirements and topics vary slightly across competitions, the program can support projects such as:

- “Bridge programs for freshmen, first-generation college students and their families, nontraditional students, and/or secondary school students;
- Creation or revision of courses that focus on close reading, analytical writing, and/or effective speaking, including composition courses designed to help students write better;
- New or enhanced humanities programs, including new humanities minors or certificate programs, honors programs, first-year seminars, and culturally relevant or place-based curricula;
- The infusion of humanities learning into professional training in such fields as business, law, engineering, science, technology, science, hospitality, and nursing and medicine;

- Creation of humanities-based curricular pathways towards graduation and/or transfer to four-year institutions;
- Opportunities for faculty members to study together, in order to improve their capacity to teach the humanities; creation or enhancement of humanities resources for the purpose of teaching, including oral histories, literature or film, teaching modules, or guidelines on how to use humanities resources in the classroom;
- Development of curriculum-focused digital humanities projects, including podcasts, mapping tools, or digital resources for distance learning that can be used on- or off-line; or
- Partnerships and collaborative projects in the humanities.”

The maximum funding amount will be \$150,000 across all programs for a period between one and three years. The last application became available on March 19, 2021 with a deadline of May 20, 2021 for projects beginning February 1, 2022.

Sources and Additional Information:

- More information about Humanities Initiatives at Community Colleges is available at <https://www.neh.gov/grants/education/humanities-initiatives-community-colleges>.
- More information about Humanities Initiatives at Tribal Colleges and Universities is available at <https://www.neh.gov/grants/education/humanities-initiatives-tribal-colleges-and-universities>.
- More information about Historically Black Colleges and Universities is available at <https://www.neh.gov/grants/education/humanities-initiatives-historically-black-colleges-and-universities>.
- More information about Humanities Initiatives at Hispanic-Serving Institutions is available at <https://www.neh.gov/grants/education/humanities-initiatives-hispanic-serving-institutions>.
- The most recent funding announcement is available at <https://www.neh.gov/sites/default/files/inline-files/Humanities%20Initiatives%20Notice%20of%20Funding%20Opportunity%202021%2020210520-AA-AB-AC-AD-AE%20%281%29.pdf>.

Humanities Initiatives at Colleges and Universities

The purpose of the Humanities Initiatives at Colleges and Universities program is to “strengthen the teaching and study of the humanities at institutions of higher education by developing new humanities programs, resources (including those in digital format), or courses, or by enhancing existing ones.” This program was new in FY 2020 and is seen as a complement to NEH’s Humanities Initiatives at Community Colleges, Tribal Colleges, Historically Black Colleges, and Hispanic-Serving Institutions program. The Humanities Initiatives at Colleges and Universities program is open to a broader range of institutions with eligible applicants including public and private colleges and universities.

Proposed projects must be organized around a core theme drawn from the humanities. NEH will award grants of up to \$150,000 for a period of one to three years. This competition is currently closed. Applications for the next cycle will be available on March 19, 2022 and will be due May 19, 2022.

Sources and Additional Information:

- Additional information on the Humanities at Colleges and Universities program is available at <https://www.neh.gov/program/humanities-initiatives-colleges-and-universities>.

Summer Seminars and Institutes Program

The Summer Seminars and Institutes Program supports humanities development programs for college and university professors (a separate but similar program exists for K-12 educators). The goal with this summer program is to “focus on the study and teaching of significant texts and other resources; provide models of excellent scholarship and teaching; contribute to the intellectual growth of the participants; and build lasting communities of intellectual and professional collaboration.” For the 2020 competition, NEH encouraged submissions that focused on the approaching 250th anniversary of the U.S and “the role of the Declaration of Independence and other foundational documents in the making of U.S. history ... the experiences of states and communities beyond the original colonies in joining the nation...[and] the stories and contributions of under-represented communities in our nation’s history.”

For this award, the NEH offers \$75,000 to \$155,000 for seminars or \$120,000 to \$235,000 for institutes for period of 15 months for Level I applicants and 24 months for Level II applicants. The competition is currently closed and will not be offered this summer. However, the Institutes for K-12 Educators and Institutes for Higher Education faculty programs is taking place and applications for the next cycle will open on December 15, 2021 with a due date of February 15, 2022 for projects beginning in October 2022. Awards for this program will be up to \$235,000.

Source and Additional Information:

- More information about the Summer Seminars and Institutes Program for Higher Education Faculty is available at <https://www.neh.gov/sites/default/files/inline-files/Eligibility%20Criteria%20for%20Summer%20Seminars%20and%20Institutes%20for%20Higher%20Education%20Faculty.pdf>.
- The last notice of funding opportunity is available at <https://www.neh.gov/sites/default/files/inline-files/Summer%20Seminars%20and%20Institutes%20for%20Higher%20Education%20Faculty%20NOFO%202020%2020200303-FS-EH.pdf>.
- More information about the Summer Seminars and Institutes Program for K-12 Educators is available at <https://www.neh.gov/sites/default/files/inline-files/Eligibility%20Criteria%20for%20Summer%20Seminars%20and%20Institutes%20for%20K-12%20Educators.pdf>.

Landmarks of American History and Culture Workshops

The Landmarks of American History and Culture Workshops program supports “one-week workshops for K-12 educators across the nation that enhance and strengthen humanities teaching at the K-12 level” through place-based projects with “central themes in American history and culture, including government, literature, the arts, architecture, archaeology, and related humanities subjects.” Colleges and universities are eligible to host the workshops. Awards will be made of up to \$190,000 for a period of 24 months. The application is currently closed but will re-open on December 15, 2021 and will be due February 15, 2022.

Sources and Additional Information:

- More information about the Landmarks of American History and Culture Workshops program is available at <https://www.neh.gov/grants/education/landmarks-american-history-and-culture-workshops-school-teachers>.

Division of Preservation and Access

The Division of Preservation and Access is responsible for supporting efforts to ensure that the “nation’s cultural heritage and intellectual legacy” are preserved. Specifically, this division funds programs aimed at the “good stewardship of cultural resources” and “long-term and wide availability of primary resources in the humanities.” It should be noted that NEH provides updated project guidelines approximately two months before the specified application deadline, so project information given before this two-month window will be based on the guidelines from the previous competition.

Source and Additional Information:

- More information about the Division of Preservation and Access is available at <https://www.neh.gov/divisions/preservation>.

Humanities Collections and Reference Resources

This program supports projects contributing to the humanities in “scholarship, education, and public programming.” Grants awarded through this program can be used to “extend the life” of humanities materials and increasingly ensure that humanities materials are available digitally. There are two types of Humanities Collections and Reference Resources awards: Implementation awards and Foundations awards. Foundations Awards support planning, assessment, and pilot activities and up to \$50,000 for two years is available for Foundations projects, with an additional \$10,000 offered to support interinstitutional planning and pilot activities. Awards of up to \$350,000 for three years are available for Implementations awards. The application cycle for this award is currently closed. Applications will re-open on May 19, 2022 and will be due July 19, 2022.

Source and Additional Information:

- More information on the Humanities Collections and Reference Resources Program is available at <http://www.neh.gov/grants/preservation/humanities-collections-and-reference-resources>.

National Digital Newspaper Program

The National Digital Newspaper Program is striving to establish a “national digital resource of historically significant newspapers published between 1690 and 1963, from all the states and U.S. territories.” Specifically, this program is creating a digital database for the Library of Congress. To support this goal, the program will offer funding for “projects in all states and U.S. territories. Awards are made to an organization within each U.S. state or territory, which typically collaborates with relevant state partners in this effort.” The NEH will award cooperative agreements of a maximum of \$325,000 for a two-year period. Applications for the next competition became available on October 13, 2021 and will be due January 13, 2022.

Source and Additional Information:

- More information on the National Digital Newspaper Program is available at <http://www.neh.gov/grants/preservation/national-digital-newspaper-program>.
- The last Notice of Funding Opportunity is available at https://www.neh.gov/sites/default/files/inline-files/National%20Digital%20Newspaper%20Program%20Notice%20of%20Funding%20Opportunity%202021%2020210114-PJ_0.pdf.

Preservation and Access Education and Training

The Preservation and Access Education and Training program supports activities that maintain and enhance a strong humanities workforce. This program provides awards to “organizations that offer national, regional, or statewide education and training programs.” The grants strive to “help the staff of cultural institutions, large and small, obtain the knowledge and skills needed to serve as effective stewards of humanities collections.” Furthermore, these grants “support projects that prepare the next generation of preservation professionals, as well as projects that introduce heritage practitioners to new information and advances in preservation and access practices.” The maximum award for this program is \$350,000 for a period of up to three years. This competition is currently closed. Applications will be made available March 18, 2022 and due May 17, 2022.

Source and Additional Information:

- More information about the Preservation and Access Education and Training Program is available at <http://www.neh.gov/grants/preservation/preservation-and-access-education-and-training>.

Research and Development

The Research and Development program supports activities looking to improve the way cultural artifacts are preserved and accessed. Specifically, this program investigates “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.” NEH requires that projects “demonstrate how advances in preservation and access would benefit the cultural heritage community in supporting humanities research, teaching, or public programming.” With these awards, there is a strong emphasis on interdisciplinary collaboration. Tier I grants for planning and basic research have a maximum award value of \$75,000 for one to two years; Tier II grants for advanced implementation have a maximum award value of \$350,000 for one to three years. This competition is currently closed. Applications will be made available on March 18, 2022 and will be due May 17, 2022.

Source and Additional Information:

- More information about the Preservation and Access Research and Development Program is available at <http://www.neh.gov/grants/preservation/research-and-development>.
- The most recent Notice of Funding Opportunity is available at <https://www.neh.gov/sites/default/files/inline-files/Research%20and%20Development%20NOFO%202021%2020210518-PR.pdf>.

Preservation Assistance Grants for Smaller Institutions

This program looks to help small and mid-sized institutions “improve their ability to preserve and care for their significant humanities collections.” Humanities collections eligible for support include: “books and journals, archives and manuscripts, prints and photographs, moving images, sound recordings, architectural and cartographic records, decorative and fine art objects, textiles, archaeological and ethnographic artifacts, furniture, historical objects, and digital materials.” Applicants “must draw on the knowledge of consultants whose preservation skills and experience are related to the types of collections and the nature of the activities on which their projects focus.”

In this solicitation, there is an emphasis on applications from institutions that have yet to receive NEH funding, as well as from minority-serving institutions. The award is for up to \$10,000 for a maximum

duration of 18 months, with an additional \$5,000 available for projects related to the NEH’s “A More Perfect Union” initiative related to the 250th anniversary of American independence. The competition is currently closed. Applications were made available on January 26, 2021 and will be due January 13, 2022.

Source and Additional Information:

- More information about Preservation Assistance Grants for Smaller Institutions is available at <http://www.neh.gov/grants/preservation/preservation-assistance-grants-smaller-institutions>.

Sustaining Cultural Heritage Collections

The Sustaining Cultural Heritage Collections program strives to ensure “cultural institutions meet the complex challenge of preserving large and diverse holdings of humanities materials for future generations by supporting sustainable conservation measures that mitigate deterioration, prolong the useful life of collections, and support institutional resilience: the ability to anticipate and respond to disasters resulting from natural or human activity.” Specifically, the program helps “cultural repositories plan and implement preservation strategies that pragmatically balance effectiveness, cost, and environmental impact.” The planning award is for a maximum of \$50,000 for up to two years. Implementation grants have a maximum award of \$350,000 for up to three years. This competition is currently closed. The application was made available on January 26, 2021 and will be due January 13, 2022.

Source and Additional Information:

- More information about the Sustaining Cultural Heritage Collections Program is available at <http://www.neh.gov/grants/preservation/sustaining-cultural-heritage-collections>.

Division of Public Programs

The Division of Public Programs recognizes and emphasizes the importance of public humanities programs in introducing the general public to the humanities. As the Division describes, “the division supports a wide range of public humanities programming that reaches large and diverse public audiences and make use of a variety of formats—interpretation at historic sites, television and radio productions, museum exhibitions, podcasts, short videos, digital games, websites, mobile apps, and other digital media.”

Source and Additional Information:

- More information about the Division of Public Programs is available at <https://www.neh.gov/divisions/public>.

Digital Projects for the Public

The Digital Projects for the Public program supports projects that “interpret and analyze humanities content in primarily digital platforms and formats, such as websites, mobile applications and tours, interactive touch screens and kiosks, games, and virtual environments...to attract broad public audiences.” With all proposals, there should be a focus on a “broad, general, non-specialist audience, either online or in person at venues such as museums, libraries, or other cultural institutions.” This program offers Discovery Grants, Prototyping Grants, and Production Grants. The maximum funding amounts for these grants are: \$30,000 for Discovery Grants; \$100,000 for Prototyping Grants; and

\$400,000 for Production Grants for one to three years. This competition is currently closed. Applications will be made available on April 8, 2022 and will be due June 8, 2022.

Source and Additional Information:

- More information about Digital Projects for the Public is available at <http://www.neh.gov/grants/public/digital-projects-the-public>.

Media Projects Grants

The Media Projects program supports “the development, production, and distribution of radio, podcast, television, and long-form documentary film projects that engage general audiences with humanities ideas in creative and appealing ways.” Projects should be grounded in scholarship and explore the larger significance of humanities ideas. Awards of up to \$75,000 are available for a period of six to 12 months for development grants and awards of up to \$1,000,000 are available for one to three years for production grants. Additionally, NEH may award up to \$1 million for the Chairman’s Special Award for “projects of exceptional significance, audience reach, and complexity.” Applications for the next funding cycle are due January 12, 2022 for projects beginning in May 2022.

Source and Additional Information:

- More information about the Media Project Grants program is available at <https://www.neh.gov/program/media-projects>.
- The 2021 Funding Opportunity Announcement is available at <https://www.neh.gov/sites/default/files/inline-files/Media%20Projects%20NOFO%2020210811-TD-TR.pdf>.

Public Humanities Projects

The Public Humanities Projects grants program aims to fund projects that “bring the ideas and insights of the humanities to life for general audiences through in-person programming. Projects must engage humanities scholarship to analyze significant themes in disciplines such as history, literature, ethics, and art history.”

Proposed projects should fit into one of three categories:

1. The Exhibitions category “supports the creation of permanent exhibitions (on view for at least three years) and single-site temporary exhibitions (open to the public for a minimum of two months), as well as traveling exhibitions that will be available to public audiences in at least two venues in the United States (including the originating location);”
2. The Historic Places category supports “long-term interpretive programs for historic sites, houses, neighborhoods, and regions that are intended to be presented to the public for at least three years;” and
3. The Humanities Discussions category supports “series of at least six in-person public programs related to ‘A More Perfect Union’: NEH Special Initiative Advancing Civic Education and Commemorating the Nation’s 250th Anniversary.”

NEH issues both planning and implementation grants under this program. The maximum funding amount for planning grants is \$75,000 for a period of up to 24 months. Implementation grants award funding of up to \$400,000 for a period of up to 48 months, with a potential for \$50,00 to \$100,000 for a Position in the Public Humanities. Chairman’s Special Awards of up to \$1 million are available for “ambitious permanent or traveling exhibitions Implementation projects of exceptional significance and

impact.” Applications for the next funding cycle are due January 12, 2022 for projects beginning in September 2022.

Source and Additional Information:

- More information about Public Humanities Projects is available at <http://www.neh.gov/grants/public/public-humanities-projects>.
- The Notice of Funding Opportunity is available at <https://www.neh.gov/sites/default/files/inline-files/Public%20Humanities%20Projects%20NOFO%2020210811-BP-BR-GE-GG-GI.pdf>.

Division of Research Programs

The Division of Research Programs aims to support “scholarly research that advances knowledge and understanding of the humanities.” Specifically, grants “are made to scholars—individuals, collaborative teams, or institutions—working on research projects of significance to specific humanities fields and to the humanities as a whole.”

Source and Additional Information:

- More information about the Division of Research Programs is available at <https://www.neh.gov/divisions/research>.

Awards for Faculty at Hispanic-Serving Institutions, Historically Black Colleges and Universities, and Tribal Colleges

The Awards for Faculty programs support individual full-time, part-time, adjunct, and retired faculty and staff for humanities research projects at Hispanic-Serving Institutions, Historically Black Colleges and Universities, or Tribal Colleges.

This program supports a range of eligible projects, including:

- “Humanities research in primary and secondary materials leading to the development of books, monographs, peer-reviewed articles, e-books, digital materials, translations with annotations or a critical apparatus, critical editions, or other scholarly resources;
- Humanities research related to institutional or community goals or interests, such as projects that draw on institutional or community archival collections, or the development of materials in support of culture or language preservation and revitalization; and
- Humanities research leading to the improvement of an existing undergraduate course, including the development of humanities resources.”

The amount of an award, which can support half-time or full-time work, is \$5,000 per full-time month with a maximum award time of 12 months of full-time work. The competition for Faculty at Hispanic-Serving Institutions is open, applications are due April 13, 2022 for projects beginning in January 2023.

Sources and Additional Information:

- More information about the Awards for Faculty at Hispanic-Serving Institutions is available at <https://www.neh.gov/sites/default/files/inline-files/Awards%20for%20Faculty%20HSI%20NOFO%202021%20and%202022%2020210414-HB.pdf>.

- More information about the Awards for Faculty at Tribal Colleges is available at <http://www.neh.gov/grants/research/awards-faculty-tribal-colleges-and-universities>.

Collaborative Research Grants

Collaborative Research Grants provide funding for two or more collaborating scholars to engage in humanities research. The Collaborative Research program offers funding in four research categories:

- Planning International Collaboration grants of up to \$25,000 for early-stage projects involving researchers from the U.S. and one or more foreign countries;
- Conference grants of up to \$100,000 for a conference, symposium, or seminar open to members of an intellectual community;
- Manuscript Publication grants of up to \$250,000 for completion of collaborative manuscripts in preparation for print publication; and
- Scholarly Digital Projects grants of up to \$250,000 for preparation of born-digital scholarly publications, resources, and tools.

Award periods vary by research category. Applications under the current cycle are due December 1, 2021.

Source and Additional Information:

- More information about Collaborative Research Grants is available at <http://www.neh.gov/grants/research/collaborative-research-grants>.

Public Scholar Program

The Public Scholar program provides grants to individuals in order to support “the creation of well-researched books in the humanities written for the broad public.” For this program, individuals are expected to produce books in any of the areas of the humanities that “present a narrative history, tell the stories of important individuals, analyze significant texts, provide a synthesis of ideas, revive interest in a neglected subject, or examine the latest thinking on a topic.”

Books supported by this program must be grounded in humanities research and are intended to be accessible to the general public. The program provides \$5,000 of support for “research, writing, travel, and other activities leading to publication” per full-time month for a period between six and 12 months, with a maximum stipend of \$60,000. Individuals do not need to be affiliated with an academic institution or have an advanced degree to apply. Applications are due December 15, 2021 for projects beginning in September 2022 – September 2023.

Source and Additional Information:

- More information about the Public Scholar Program is available at <http://www.neh.gov/grants/research/public-scholar-program>.

Fellowships

The NEH Fellowships program provides grants to individuals researching topics of value to humanities scholars or the general public. Generally, recipients “conduct research or...produce books, monographs, peer-reviewed articles, e-books, digital materials, translations with annotations or a critical apparatus, or critical editions resulting from previous research.” For the fellowships, NEH will provide stipends of up to \$5,000 per month for a period of six to 12 months to support projects at any stage of development. The maximum stipend is \$60,000 for a 12-month period. Applications will be made

available on February 13, 2022 and will be due on April 13, 2022 for fellowships beginning in January 2023.

Source and Additional Information:

- More information about the NEH Fellowships Program is available at <http://www.neh.gov/grants/research/fellowships>.

Fellowships for Advanced Social Science Research on Japan

This fellowship program represents a partnership between the Japan-U.S. Friendship Commission and the NEH. Through these fellowships, the program “aims to promote Japan studies in the United States, to encourage U.S.-Japanese scholarly exchange, and to support the next generation of Japan scholars in the U.S. Awards support research on modern Japanese society and political economy, Japan's international relations, and U.S.-Japan relations.”

Fellowships may focus on one of the following areas:

- “Anthropology;
- Economics;
- Geography;
- History;
- International relations;
- Linguistics;
- Political science;
- Psychology; and
- Sociology.”

Advanced Japanese language skills are required for participation in the fellowship program. NEH encourages applications from scholars who have earned their terminal degree within the last seven years. NEH will provide stipends of up to \$5,000 per month for a period of six to 12 months to support projects at any stage of development. This competition is currently closed. Applications will become available on February 25, 2022 and will be due April 27, 2022 for fellowships beginning in January 2023.

Source and Additional Information:

- More information about Fellowships for Advanced Social Science Research on Japan is available at <http://www.neh.gov/grants/research/fellowships-advanced-social-science-research-japan>.

NEH-Mellon Fellowships for Digital Publication

The Andrew W. Mellon Foundation has joined NEH in supporting Fellowships for Digital Publication to support individuals conducting humanities research projects requiring digital expression and publication. Notably, the research “project must be conceived as digital because the research topics being addressed, and methods applied demand presentation beyond traditional print publication. Successful projects will likely incorporate visual, audio, and/or other multimedia materials or flexible reading pathways that could not be included in traditionally published books, as well as an active distribution plan.” All projects must be interpretive and advance a scholarly argument. These full-time fellowships are to last between six to 12 months, with a stipend of \$5,000 per month. This competition is currently closed. Applications will re-open on February 25, 2022 and be due on April 27, 2022 for fellowships beginning in January 2023.

Source and Additional Information:

- More information about the NEH-Mellon Fellowships for Digital Publication is available at <http://www.neh.gov/grants/research/neh-mellon-fellowships-digital-publication>.

Scholarly Editions and Translations

Scholarly Editions and Translations Grants provide support for “preparation of editions and translations of pre-existing texts of value to the humanities that are currently inaccessible or available only in inadequate editions or translations.” According to the solicitation, “projects must be undertaken by at least two scholars working collaboratively.” Awards will be made of up to \$100,000 per year for a period of one to three years, not to exceed a total of \$300,000. However, additional funding is available for proposals responding to the “A More Perfect Union” special initiative, with applicants able to apply for up to \$450,000 total. Applications are due on December 1, 2021 for projects starting October 2022.

Source and Additional Information:

- More information about the Scholarly Editions and Translations Program is available at <http://www.neh.gov/grants/research/scholarly-editions-and-translations-grants>.
- The Notice of Funding Opportunity is available at <https://www.neh.gov/sites/default/files/inline-files/Scholarly%20Editions%20and%20Scholarly%20Translations%20NOFO%202020%20and%202021%2007.20.2021.pdf>.

Summer Stipends

The Summer Stipends program provides grants to individuals “pursuing advanced research that is of value to humanities scholars, general audiences, or both” in order to “stimulate new research in the humanities and its publication.” The program provides \$6,000 of support for up to two-months for full-time work on a humanities project at any stage of development, though there is a special emphasis on early-stage research and late-stage writing. Applications were due on September 22, 2021 for projects beginning in May 2022; due dates for the next funding cycle have yet to be announced.

Source and Additional Information:

- More information about the Summer Stipends Program is available at <http://www.neh.gov/grants/research/summer-stipends>.

Office of Digital Humanities

NEH Office of Digital Humanities lends support to projects that use digital technologies for humanities research and teaching, engagement with the public, and scholarly communications. Grants are available for projects that use digital technologies and methods to advance the humanities, and for projects that study digital technologies from a humanistic lens.

Source and Additional Information:

- More information about the Office of Digital Humanities is available at <https://www.neh.gov/divisions/odh>.

Digital Humanities Advancement Grants

The Digital Humanities Advancement Grant program (DHAG) funds projects that contribute to innovation and sustain essential projects in the field of the humanities. The Institute of Museum and

Library Services (IMLS) provides additional funding for the DHAG program to “encourage innovative collaborations between museum or library professionals and humanities professionals to advance preservation of, access to, use of, and engagement with digital collections and services.” DHAG has three funding levels: Level I awards support “exploratory sessions, workshops, early alpha-level prototypes, and initial planning” and have a maximum funding level of \$50,000 for up to two years; Level II awards support projects with “a plan of work leading to concrete and tangible outcomes, such as working prototypes or code, sample data sets or models, methodological workflows, and/or documentation” and have a maximum funding level of \$150,000 for up to two years; and Level III awards “support scaling-up and expansion of established projects” and have a maximum funding level of \$350,000 for one to three years, with an additional \$50,000 in matching funds. Submissions for this grant program are due by January 14, 2022 for projects beginning in September 2022. A webinar was held on October 28, 2021.

Source and Additional Information:

- More information about the Digital Humanities Advancement Grants is available at <https://www.neh.gov/grants/odh/digital-humanities-advancement-grants>.
- The webinar can be accessed at https://teams.microsoft.com/l/meetup-join/19%3ameeting_Mjc00DVhYjgtNGM0NS00ZjgwLTljNGEtMzc3MjA4OGNjYTI1%40thread.v2/0?context=%7b%22Tid%22%3a%2293b06459-c77d-44b6-af7f-e813cddcdcc3%22%2c%22Oid%22%3a%2236570e3c-de8d-48f2-a9fe-e0bf0de74980%22%2c%22IsBroadcastMeeting%22%3atrue%7d&btype=a&role=a.
- The Notice of Funding Opportunity is available at <https://www.neh.gov/sites/default/files/inline-files/DHAG%20NOFO%20Jan%20and%20June%202022%2020220115-HAA.pdf>.

Institutes for Advanced Topics in the Digital Humanities

The Institutes for Advanced Topics in the Digital Humanities program supports the collaboration of humanities and digital technology scholars to enhance and expand how digital technology is used in humanities research. Specifically, the program supports institutes which are “national or regional (multistate) training programs for scholars, humanities professionals, and advanced graduate students to broaden and extend their knowledge of digital humanities.” Universities are eligible to host these institutes, which can last for a few days or for up to six weeks.

Suggested topics for institutes to address include: “digital scholarly communication and publishing; advanced geospatial applications; textual image or sound analysis; immersive and virtual environment design for humanities research, or for computer gaming or simulations as applied to the humanities; information aesthetics and approaches to visualizations of humanities topics and research; innovative approaches for engaging public audiences with digital humanities; high-performance computing or supercomputing applicable for humanities research and teaching; linked open data and its applications to humanities research and teaching; and analysis of and research on the impact of digital media and culture on society.” Institutes are supported by these grants for a period of one to three years, with a maximum award of \$250,000. This competition is currently closed. Applications for the next cycle will be made available on January 2, 2022 and will be due March 2, 2022.

Source and Additional Information:

- More information about the Institutes for Advanced Topics in the Digital Humanities Program is available at <http://www.neh.gov/grants/odh/institutes-advanced-topics-in-the-digital-humanities>.

Office of Challenge Programs

The Office of Challenge Programs supports funding to “strengthen institutional and organizational capacity for work in the humanities.” Funding is intended for building, renovating, and upholding humanities infrastructure. The Office of Challenge Programs currently runs only one regular program with two funding tracks.

Source and Additional Information:

- More information about the Office of Challenge Programs is available at <https://www.neh.gov/divisions/challenge>.

Infrastructure and Capacity Building Challenge Grants

The Infrastructure and Capacity Building Challenge Grants program supports the creation, maintenance, and improvement of infrastructure for humanities activities. The program offers two separate notices of funding opportunity:

- The Capital Projects track supports purchase, construction, or restoration of humanities facilities and infrastructure. Projects can address permanent collections equipment and critical building systems, such as ventilation, telecommunications, and security.
- The Digital Infrastructure supports maintenance and modernization of existing digital humanities projects and platforms.

Awards of up to \$750,000 are available under either funding opportunity. The program requires steep matching funds: awards of \$500,000 or less must be matched at \$3 in non-federal gifts for every \$1 in federal funds, and awards above \$500,000 must be matched at \$4 in non-federal gifts for every \$1 in federal funds. However, Historically Black Colleges and Universities, Hispanic Serving Institutions, Tribal Colleges and Universities, and two-year community colleges must only match \$1 in non-federal gifts for every \$1 in federal funds for any award amount. Up to ten percent of total project funding (including both awarded funds and non-federal gifts) may be used for fundraising costs. Applications are due twice annually, with deadlines of May 18, 2021 and September 28, 2021 for the most recent cycle.

Source and Additional Information:

- More information about the Infrastructure and Capacity Building Challenge Grants program is available at <https://www.neh.gov/grants/preservation/infrastructure-and-capacity-building-challenge-grants>.

National Endowment for the Arts

The National Endowment for the Arts (NEA) is the federal resource that supports funding for artistic projects. Support is provided through direct grants, state and regional partnerships, prize competitions, leadership initiatives, literature fellowships, and lifetime honors. NEA provides funding for a wide array of artistic disciplines including visual arts, music, dance, literature, design, theater, musical theater, opera, folk and traditional arts, and media arts including film, audio, animation, and digital art. Most NEA programs are annual initiatives, with NEA awards announced several times per year. It is important to note that most NEA grants are made to organizations or institutions, not to individuals (with the exception of the Creative Writing Fellowships and the Translation Projects programs).

The majority of NEA funding is awarded through three different grant categories: Grants for Art Projects, Challenge America, and Our Town. For each of these grant categories, awards are available in various disciplines. The NEA website provides information on which artistic disciplines are funded through each of the three grant categories. NEA award deadlines typically follow an annual cycle, however deadlines for FY 2022 awards have not yet been released.

NEA is still awaiting nomination of a permanent Chair, with NEA Deputy Chairman for Management & Budget Ann Eilers currently serving as Acting Chair. In the absence of permanent leadership, NEA has been following broad Biden Administration priorities on improving racial equity, responding to the COVID-19 pandemic, and addressing climate change, among other topics.

In recent years, NEA has received modest funding increases annually from Congress. While the fiscal year (FY) 2022 appropriations have not been finalized, the House of Representatives has proposed a \$33.5 million increase. In FY 2021, the NEA received \$167.5 million in funding, a \$5.25 million increase over FY 2020.

Sources and Additional Information:

- A complete listing of available grant programs offered by NEA with submission deadlines is available at <http://arts.gov/grants>.

Grants for Art Projects

Grants for Arts projects is the broadest funding category offered by the NEA. Within this program, NEA funds projects that “support public engagement with, and access to, various forms of excellent art across the nation, the creation of art that meets the highest standards of excellence, learning in the arts at all stages of life, and the integration of the arts into the fabric of community life.” Grants generally range from \$10,000 to \$100,000 based on the platform, complexity, and scope of the project, though in past years the majority of awards have been for less than \$25,000 each. The duration of each award is typically up to two years and requires a 1:1 funding match. The deadlines for grant applications depend on the discipline area and are typically either in late winter or mid-summer. For the most recent cycle, the deadline for the first round of awards was on February 23, 2021 for projects beginning in January 2022 and for the second round, the deadline was July 20, 2021 for projects beginning in June 2022.

Sources and Additional Information:

- More information on the Grants for Art Projects funding category is available at <https://www.arts.gov/grants-organizations/gap/grant-program-description>.

Research Grants in the Arts

The Research Grants in the Arts program, previously known as the Research: Art Works program, support projects that “investigate the value and/or impact of the arts, either as individual components of the U.S. arts ecology or as they interact with each other and/or with other domains of American life.” NEA is interested in research that engages with their five-year research agenda through examining:

- “Factors that enhance or inhibit arts participation or arts/cultural assets;
- Detailed characteristics of arts participation or arts/cultural assets, and their interrelationships;
- Individual-level outcomes of arts participation; and
- Societal or community-level outcomes of arts/cultural assets.”

Awards will range from \$10,000 to \$100,000, though most awards will be in the \$10,000 to \$30,000 range. The grants, which generally cover up to a two-year performance period, require a 1:1 funding match. Grant applications for the most recent funding cycle were due April 8, 2021 for projects beginning in January 2022.

Source and Additional Information:

- More information on the Research Grants in the Arts program is available at <https://www.arts.gov/grants/research-awards/research-grants-in-the-arts/program-description>.
- More information on the NEA five-year research agenda is available at <https://www.arts.gov/artistic-fields/research-analysis/new-research-agenda-national-endowment-arts-fy-2017%E2%80%902021>.

Challenge America

The Challenge America program “offers support primarily to small and mid-sized organizations for projects that extend the reach of the arts to underserved populations -- those whose opportunities to experience the arts are limited by geography, ethnicity, economics, or disability.” Projects must “extend the reach of the arts” to underserved populations, and must fall into one of three categories: Guest Artist projects, Collaborative Marketing Campaigns, or Public Art Projects. All grants awarded under the Challenge America program are for \$10,000 with a required minimum \$10,000 match and run for up to two years. The Challenge America program was cancelled for 2020 in response to the novel coronavirus pandemic. Prospective applicants were directed to apply to the Research Grants in the Arts program for this year only. Applications for this award cycle were due on May 4, 2021 for projects beginning in January 2022.

Source and Additional Information:

- More information on the Challenge America program is available at <http://arts.gov/grants-organizations/challenge-america/grant-program-description>.

Our Town

The Our Town program will provide funding for “projects that integrate arts, culture, and design activities into efforts that strengthen communities by advancing local economic, physical, and/or social outcomes.” NEA is encouraging applications that “Bring new attention to or elevate key community assets and issues, voices of residents, local history, or cultural infrastructure; inject new or additional energy, resources, activity, people, or enthusiasm into a place, community issue, or local economy; envision new possibilities for a community or place - a new future, a new way of overcoming a challenge, or approaching problem-solving; [or] connect communities, people, places, and economic opportunity via physical spaces or new relationships.”

Projects may include arts engagement, cultural planning, design, and artists and creative industry support activities, among others. Grants will range from \$25,000 to \$150,000 and are subject to the availability of funding. Additionally, these grants require a 1:1 funding match. Applications for the most recent award cycle were due August 17, 2021 for projects beginning in July of 2022.

Source and Additional Information:

- More information on the Our Town program is available at <https://www.arts.gov/grants-organizations/our-town/grant-program-description>.

Creative Writing Fellowships

NEA offers Creative Writing Fellowships for published creative writers that focus on either prose (fiction and creative nonfiction) or poetry. The Creative Writing Fellowships “enable recipients to set aside time for writing, research, travel, and general career advancement.” This program alternates annually between fellowships in prose and poetry. For these highly competitive grants, each award is \$25,000 and there is no matching requirement. Generally, NEA funds fewer than 3 percent of the over 1,500 applications received. Applications for the most recent award cycle were due on March 10, 2021, for funding that begins in January 2022. The next application cycle will be focused on poetry.

Source and Additional Information:

- More information about the Creative Writing Fellowships is available at <https://www.arts.gov/grants/creative-writing-fellowships/program-description>.

Translation Projects

The NEA Translation Projects program provides funding to “projects for the translation of specific works of prose, poetry, or drama from other languages into English.” The program places an emphasis on “translations of writers and of work that are not well represented in English translation,” and translated works “should be of interest for its literary excellence and value.” Translation Projects awards are for \$12,500 or \$25,000. The next deadline is January 12, 2022 for projects that start on January 1, 2023.

Source and Additional Information:

- More information about Translation Projects is available at <http://arts.gov/grants-individuals/translation-projects>.

NEA Research Labs

The NEA Research Labs allow “transdisciplinary research teams, grounded in the social and behavioral sciences, to engage with the NEA’s five-year research agenda. The National Endowment for the Arts Research Labs (NEA Research Labs) program will yield empirical insights about the arts for the benefit of arts and non-arts sectors alike.” Research conducted under this funding mechanism should address one of the following three focus areas: “The Arts, Health, and Social/Emotional Well-Being; The Arts, Creativity, Cognition, and Learning; The Arts, Entrepreneurship, and Innovation.”

NEA requires applicants to partner with at least one non-profit arts organization, confirmed at the time of submission, though additional partnerships with arts and non-arts organizations are strongly encouraged. Cooperative agreements issued for NEA Research Labs will be for a maximum of \$150,000 for a duration of up to two years. A funding match of 1:1 is required. The most recent competition’s applications were due April 8, 2021 for projects beginning March 1, 2022.

Sources and Additional Information:

- More information about the NEA Research Labs is available at <https://www.arts.gov/grants/research-awards/nea-research-labs/program-description>

Department of Defense

The Department of Defense (DOD) maintains a limited portfolio of social science work to better understand the cultures, environments, and geopolitical climates in which it operates. While some have questioned the value of social science research at DOD during a time of budget constraints, aggression from U.S. adversaries, such as Russia and China, and rogue nations, such as Iran and North Korea; continued instability in the Middle East and North Africa; and the rise of non-state actors as key players in global affairs have reinforced the need for DOD to take a holistic approach to international security challenges. The Minerva Research Initiative is DOD's signature social science program however, individual Service Branch research offices operate several programs aimed at improving human performance, training, leadership, and decision-making which involve significant social science elements. Information on these opportunities is available through each of the Services' broad agency announcements (BAA).

Minerva Research Initiative

DOD's Minerva Research Initiative is the primary source of behavioral and social science research funding for the defense community. Supported and overseen by the Office of the Secretary of Defense (OSD), the Minerva program seeks to "improve DOD's basic understanding of the social, cultural, behavioral, and political forces that shape regions of the world of strategic importance to the U.S." The Minerva program solicits projects in topic areas that closely reflect current world events. In recent years, the Minerva program has focused on the dynamics impacting and stemming from great power competition with potential adversaries. In the FY 2021 competition, the Minerva program focused on nine topics of interest around a broad range of priority countries, regions, and disciplines:

- Social Implications of Environmental Change
- Resource Competition, Social Cohesion, and Strategic Climate Resilience
- Security Risks in Ungoverned, Semi-Governed, and Differently-Governed Spaces
- Analysis of Foreign Influence Operations in Cross-Cultural Perspective
- Community Studies on Online and Offline Influence
- Computational Social Science Research on Difficult-to-Access Environments
- Social and Cultural Implications of Artificial Intelligence
- Humans and Outer Space
- Management and Information in the Defense Environment

The Basic Research Office, within the Office of the Assistant Secretary of Defense for Research and Engineering, coordinates Minerva and makes the final funding decisions with input from the Services. For the FY 2021 competition, DOD anticipates awarding a total of \$15 million for 10-12 awards, with individual awards ranging from \$150,000 to \$1 million per year for a period of three to five years. The FY 2021 opportunity is now closed. Previous Minerva awards have averaged approximately \$400,000 per year.

Source and Additional Information:

- More information on the Minerva Initiative is available at <http://minerva.defense.gov/>.
- The most recent list of awardees can be found at <https://www.cto.mil/dod-awards-grants-minerva-research-social-behavioral-sciences/>.
- A complete list of projects funded through the Minerva Initiative is available at <http://minerva.defense.gov/Research/Funded-Projects/>.

- Additional information regarding the 2021 topics is available at <https://minerva.defense.gov/Research/Research-Priorities/>.

Defense Education and Civilian University Research Partnership

Under the Minerva program, DOD started a new pilot program called the Defense Education and Civilian University Research (DECUR) partnership. DECUR provides funding for partnerships between civilian universities and Professional Military Education (PME) institutions to conduct social science research of interest to DOD, with the goal of building stronger relationships with the social science community. The topics of interest for this program are the same as the research priorities listed under the Minerva Research Initiative. The DECUR partnership did not run in FY 2020, but DOD does anticipate releasing the DECUR FOA following the general Minerva FOA.

For FY 2019, DOD announced in March 2020 that it funded five awards at \$200,000 per year for two years, totaling \$2 million in funding. Applications required a principal investigator (PI) from a civilian university and a co-PI from a PME. Army-affiliated PME institutions were not eligible to participate. Non-profit institutions and commercial entities could be included only as sub-awardees.

Source and Additional Information:

- The full solicitation of the past opportunity can be found at www.grants.gov under solicitation number “WHS-AD-FOA-DECUR-19.”
- The FY 2019 winners can be found at <https://minerva.defense.gov/Portals/47/documents/FY19%20DECUR%20Awards%20Press%20Release%20-%20Final.pdf?ver=2020-03-26-153107-733>.
- More information on the DECUR partnership can be found at <https://minerva.defense.gov/Programs/DECUR-Partnership/>.

Air Force Office of Scientific Research

While many programs are geared heavily towards the physical sciences and engineering, the Air Force Office of Scientific Research (AFOSR) does administer programs with select behavioral and social science applications. Within the Information and Networks division, AFOSR’s Trust and Influence program supports projects “investigating the mechanisms by which humans establish, maintain, and repair trust in other agents, both human and machine.” The Cognitive and Computational Neuroscience program involves cognitive psychology to understand the mechanisms responsible for cognition and behavior which is used to “create brain-inspired or biomimetic algorithms that advance the state of the art and have the potential for revolutionary progress on these or related research challenges”. AFOSR stresses the interdisciplinary nature of the programs, which supports researchers in departments “from psychology to computer science.”

Source and Additional Information:

- More information about AFOSR is available at <http://afri.dodlive.mil/about/>; and <http://www.wpafb.af.mil/afri/afosr/>.
- A list of programs under AFOSR’s Information and Networks division, including the programs listed above, is available at <https://www.wpafb.af.mil/Welcome/Fact-Sheets/Display/Article/842033/afosr-information-and-networks/>.
- More information about AFOSR’s Trust and Influence program’s 2020 annual review is available at <https://community.apan.org/wg/afosr/w/researchareas/26055/2020-afosr-annual-trust-and->

[influence-portfolio-review/#:~:text=The%202020%20AFOSR%20Annual%20Trust,your%20image%20may%20be%20used.](#)

Army Research Institute and Army Research Office

The Army primarily funds behavioral and social science research through the Army Research Institute for the Behavioral and Social Sciences (ARI), with the objective to “create and provide innovative behavioral and social science solutions that enable the Army to provide ready forces and force capabilities.” ARI released its BAA for Basic, Applied, and Advanced Research for fiscal years 2018-2023 in April 2018. The BAA outlines social science research topics of interest across basic research (6.1), applied research (6.2), and advanced technology development (6.3) budget classifications. Many topic areas relate to personnel management, improving warfighter performance, improving training methods and theories, and maximizing unit efficiency. ARI also released a BAA for their FY 2021-2022 Foundational Science Research Unit for Basic Scientific Research. The program is run by the ARI Foundational Science Research Unit (FSRU) who is seeking basic research proposals in the four following areas:

- Personnel Testing and Performance
- Learning in Formal and Informal Environments
- Organizational Effectiveness
- Leader Processes and Measurement

The solicitation is open for the next year with white papers due by May 15, 2022 and full proposals to be submitted no later than August 4, 2022.

Additionally, the Army Research Office (ARO) supports a Social and Behavioral Science program under its life sciences portfolio, but its information sciences and engineering sciences portfolios also involve some behavioral and social science as well. Examples include research on cultural and behavioral science, institutional and organizational science, and social informatics. While not all work funded through ARO is directly related to social and behavioral science research, these disciplines are key parts of the Army’s efforts to improve soldier performance, enhance use of equipment, and improve system effectiveness.

Sources and Additional Information:

- More information on the Army Research Office is available at <http://www.arl.army.mil/www/default.cfm?page=29>.
- The ARO BAA is available at <https://www.arl.army.mil/www/pages/8/ARO%20BAA%20Amendment%205%20final-%206Aug2019.pdf>.
- More information on the Army Research Institute is available at <https://ari.altess.army.mil/default.aspx>.
- The current ARI BAA for Basic, Applied, and Advanced Research is available by searching opportunity number “W911NF-18-S-0005” at www.grants.gov or at <https://www.grants.gov/web/grants/search-grants.html?keywords=W911NF-18-S-0005>.
- The ARI BAA for FY 2021-2022 Foundational Science Research Unit for Basic Scientific Research is available by searching “W911NF-21-S-0007” at www.grants.gov.

Office of Naval Research

The Office of Naval Research (ONR) operates most of its social and behavioral science programs out of its Human & Bioengineered Systems Division, under Code 34: Warfighter Performance. ONR invests in social science research to better understand decision-making processes to support autonomous systems and the warfighter, strengthen human-machine teaming in naval operations, and better understand and model social and cultural factors in the environments the Navy operates in, among other interests.

Programs of interest include the following:

- Advanced Modeling and Simulation for Training and Analysis
- Augmented Reality for Advanced Maintenance Training
- Bio-inspired Autonomous Systems
- Cognitive Science for Human Machine Teaming
- Cognitive Neuroscience of Perception and Attention
- Command Decision Making (CDM)
- Computational Neuroscience
- Social Networks and Computational Social Science
- Human Interaction with Autonomous Systems
- Manpower, Personnel and Training Information Sciences (MPT-IS)

Investigators apply to the program through the annual ONR BAA but should connect with program managers ahead of time to discuss synergies between their research interests and ONR priorities.

Sources and Additional Information:

- ONR's FY 2021 Long Range BAA can be found at <https://www.grants.gov/web/grants/search-grants.html?keywords=ONR%20Long%20Range>.
- A list of programs listed under ONR's Human & Bioengineered Systems Division, including the programs listed above, is available at <https://www.onr.navy.mil/en/Science-Technology/Departments/Code-34/All-Programs/human-bioengineered-systems-341>.
- A list of ONR research programs and program officers is available at <https://www.onr.navy.mil/our-research/our-program-managers>.

Defense Advanced Research Projects Agency

The Defense Advanced Research Projects Agency (DARPA) is charged with supporting high-risk, high-reward research with the ability to make transformational advances for national security. While much of what DARPA funds is technical, the Agency's Defense Sciences Office (DSO) has made understanding complex social systems a significant emphasis in its recent Office-Wide BAA, adding complex social systems as one of the thrust areas that they are searching for innovative basic or applied research on. This includes validating social dynamic models in different situations of conflict, improving understanding of causality in social systems, development of tools to help improve the human-machine symbiotic decision-making, develop new war-game concepts, and the underlying influence and deterrence of issues. Dr. Bartlett Russell is DSO's current program manager who focuses on social and behavioral sciences. Dr. Russell joined DARPA in 2019 and focuses on understanding the variability of human cognitive and social behavior to improve decision-making, analytics, and AI and autonomous systems in human-machine teaming.

Additionally, Dr. William Corvey joined DARPA in 2020 as a program manager in the Information Innovation Office. Dr. Corvey's interests include language processing, and one of his most recent programs focuses on [Computational Cultural Understanding](#). A recent DARPA Artificial Intelligence Exploration [opportunity](#), Civil Sanctuary, also includes a focus in "human-computer interaction, dialogue generation, and intelligent agents."

As with other DOD offices and programs, DARPA program managers enjoy considerable autonomy in making funding determinations. Therefore, it is essential that interested investigators connect with relevant program managers to discuss their ideas via DARPA's website locator, available at <http://www.darpa.mil/about-us/people>.

Source and Additional Information:

- More information about DARPA is available at <http://www.darpa.mil/>.
- The DARPA DSO office-wide BAA is available at www.grants.gov under solicitation number "HR001121S0032"
- Dr. Bartlett Russell's biography is available at <https://www.darpa.mil/staff/dr-bartlett-russell>.
- Dr. William Corvey's biography is available at <https://www.darpa.mil/staff/dr-william-corvey>.

Department of Education

The Department of Education (ED) offers some discretionary grant opportunities in the social sciences and humanities as they relate to the enhancement of education policy and practice, educational environments, and educator capabilities. Expectations for solicitation announcements, due dates, and funding amounts vary by program.

A listing of active grant education research programs offered by ED with individual submission deadlines can be found at <http://ies.ed.gov/funding/>. Details on programs for student and institutional support or international education can be found at <https://www2.ed.gov/fund/grant/apply/grantapps/index.html>.

Office of Elementary and Secondary Education

The ED Office of Elementary and Secondary Education (OESE) is responsible for developing and implementing elementary and secondary education policy and increasing quality of and access to education. OESE provides state and local education agencies support to improve student achievement in preschool, elementary, and secondary schools. This includes access to services for students, especially those in low-income, educationally disadvantaged communities, and financial assistance to local educational agencies. OESE grant opportunities are supported through the Office of Discretionary Grants & Support Services and include grant programs such as the Innovation and Early Learning Program and the Effective Educator Development Program, which support innovations in early learning programs and increased quality of school administration and teaching. The majority of the OESE programs are competed every year. Depending on annual congressional funding, OESE will run smaller, pilot competitions for various topics.

Source and Additional Information:

- More information about the Office of Elementary and Secondary Education can be found at <https://oese.ed.gov/>
- Past OESE funding opportunities can be found at <https://oese.ed.gov/offices/>

Education Innovation and Research

The Education Innovation and Research (EIR) program supports efforts to create, implement, and evaluate innovative, evidence-based solutions to academic challenges facing high-need students. There are three tracks within the EIR program: Early-Phase, Mid-Phase, and Expansion. Each track requires a different level of prior evidence of effectiveness, level of scale, and the expectations of information that is generated from these funded projects. In fiscal year (FY) 2020 the program awarded \$190 million to 28 grantees. The current FY 2021 competition ended in late August with \$194 million expected to be awarded to grantees.

Sources and Additional Information:

- More information on the EIR program can be found at <https://oese.ed.gov/offices/office-of-discretionary-grants-support-services/innovation-early-learning/education-innovation-and-research-eir/>

The Assistance for Arts Education Development and Dissemination (AAEDD)

The Assistance for Arts Education Development and Dissemination (AAEDD) program aims to develop and improve accessibility to instructional materials and arts-based educational programming for arts

specialties. Key priorities include increasing access to arts education, integrating arts education into other subject areas, and enhancing student academic performance in the arts. In the current FY 2021 competition, ED intends to award \$16.5 million for 20 to 25 new awardees.

Sources and Additional Information:

- More information on the AAEDD program is available at <https://oese.ed.gov/offices/office-of-discretionary-grants-support-services/well-rounded-education-programs/arts-in-education-model-development-and-dissemination-grants-program/>

Office of Postsecondary Education

The ED Office of Postsecondary Education (OPE) is responsible for developing and implementing postsecondary education policy while simultaneously increasing quality and access. OPE offers extramural grants, which can focus on institutional service, student service, or global issues, in support of this mission. OPE grant opportunities are supported through the International Foreign Language Education program and the Office of Higher Education Programs, which provide grant opportunities for Minority-Serving Institutions and student service-oriented programs. Many of the regular OPE programs are not competed on an annual basis, instead competitions are run as award cohorts expire. Depending on annual congressional direction, OPE will also run smaller grant or pilot competitions in various topics, such as open textbook development or training for writers.

Source and Additional Information:

- More information about the Office of Postsecondary Education is available at <http://www2.ed.gov/about/offices/list/ope/index.html>.
- Past OPE funding opportunities can be found at <https://www2.ed.gov/about/offices/list/ope/funding-opportunities.html>.

International and Foreign Language Education Office

The International and Foreign Language Education (IFLE) office, within OPE, supports domestic and overseas activities and training that strengthen the capabilities of U.S. based education institutions in foreign languages and international studies for teaching and research, professional development for educators, and curriculum development in the K-12 through graduate levels. In fiscal year (FY) 2018, IFLE awarded over \$71 million in grants to support international studies and world language training.

The programs listed below and authorized under Title VI of the Higher Education Act (HEA) provide domestic grants to higher education institutions to support global studies and language training. Given Most IFLE domestic grant opportunities are competed on a four-year cycle, we expect for some of these programs to be recompeted in FY 2022. Domestic programs include:

- American Overseas Research Centers
- Centers for International Business Education
- Foreign Language and Area Studies Fellowships
- International Research and Studies
- Language Resource Centers
- National Resource Centers
- Undergraduate International Studies and Foreign Language Program

The Fulbright-Hays programs support overseas experiences by individuals to improve K-12 and postsecondary teaching and research on languages and cultures. These programs tend to focus on less commonly taught foreign languages and areas of the world defined as a high priority by the ED. The overseas programs, which tend to be competed annually, include:

- Fulbright-Hays Doctoral Dissertation Research Abroad Fellowships
- Fulbright-Hays Group Projects Abroad Program
- Fulbright-Hays Seminars Abroad - Bilateral Projects

Source and Additional Information:

- More information on the IFLE programs can be found at <https://www2.ed.gov/about/offices/list/ope/iegps/index.html> and <https://iris.ed.gov/programs>.

Graduate Assistance in Areas of National Need (GAANN)

The GAANN program provides fellowships to assist graduate students pursue the highest degree available in a designated field of national need. The Department of Education sets the designated areas, but some past examples in the humanities area have included American Political Development, Foundations of Western Civilization, American History and Institutions, or the American Founding. In the current FY 2021, the program is expected to award \$20.4 million to 72 awardees. Social science research categories for the FY 2021 included various psychology related topics such as developmental and child psychology and clinical psychology.

Sources and Additional Information:

- More information about the GAANN program can be found at <https://www2.ed.gov/programs/gaann/index.html>.

Minority Science and Engineering Improvement Program (MSEIP)

The MSEIP program assists minority institutions in achieving long-term improvement in science and engineering education programs by growing the number of underrepresented minorities into science and engineering, especially minority women. MSEIP program funds are used for design projects, institutional projects, and cooperative projects, and special projects that could include addresses barriers that reduce or eliminate minority student entry into science, technology, engineering, and math (STEM) fields. Eligible applicants include any public and private, nonprofit accredited institutions of higher education (IHE) with a minority student enrollment of 50 percent of the total enrollment. For the FY 2021 competition, there was total funding amount of \$3 million for 10 new institutional project grants, two special project grants, and one new cooperative project grant.

Sources and Additional Information:

- More information about the MSEIP program can be found at <https://www2.ed.gov/programs/idadesmsi/index.html>

Institute of Education Sciences

The Institute of Education Sciences (IES), the research arm of ED, strives to “support research that contributes to school readiness and improved academic achievement for all students, and particularly for those whose education prospects are hindered by inadequate education services and conditions associated with poverty, race/ethnicity, limited English proficiency, disability, and family circumstance.” IES offers funding opportunities at different points throughout the year and funds a range of education

related research, research training, and evaluation and intervention studies. IES runs the Education Research and Special Education Research Grant Programs annually, with most deadlines for competitions in August of every year.

Included below are four specific research topics supported by IES that are most related to behavioral research. The topics highlighted below are included as the research topic areas for both general education research, through the National Center for Education Research (NCER), and special education research, through the National Center for Special Education Research (NCSER). IES also competes special, targeted research areas for NCER and NCSER that can change from year to year. In FY 2021, NCER awarded more than \$142.5 million in new grants to 69 new awardees.

Source and Additional Information:

- More information about the Institute of Education Sciences opportunities are available at <http://ies.ed.gov/funding/>.
- More information on the list of current research topics is available at <https://ies.ed.gov/funding/overview.asp>

Cognition and Student Learning

NCER's Cognition and Student Learning topic supports research in cognitive sciences "that capitalizes on our understanding of how the mind works to inform and improve education practice in reading, writing, mathematics, science, and study skills." The goal of the program is to develop tools and strategies to help improve student learning in a variety of education settings across the K-12, vocational, adult education, or remedial context for underprepared college students.

Source and Additional Information:

- More information about the Cognition and Student Learning Program can be found at <https://ies.ed.gov/ncer/projects/program.asp?ProgID=5>.

Social and Behavioral Context for Academic Learning

NCER's Social and Behavioral Context for Academic Learning program supports research on social skills, attitudes, and behaviors, and the development of these behaviors as they relate to improving student achievement and progress through K-12. Awards for each goal have varying duration and funding specifications. With this award, "non-profit and for-profit organizations and public and private agencies and institutions, such as colleges and universities," may apply.

Source and Additional Information:

- More information about the Social and Behavioral Context for Academic Learning is available at <https://ies.ed.gov/ncer/projects/program.asp?ProgID=21>.

Social and Behavioral Outcomes to Support Learning

This NCSER program supports special education research on interventions, screening, tools, and program development aimed at "the prevention or amelioration of behavior problems in students with or at risk for disabilities in kindergarten through Grade 12." Specifically, the outcomes to be examined under this program include "social, emotional, and behavioral outcomes that support learning and student education outcomes (e.g., grades, achievement test scores, graduation rates, percentage of time spent in the general education environment)" and projects and programming can be offered by a range of providers, from teachers to nurses to parents.

Source and Additional Information:

- More information about the Social and Behavioral Outcomes to Support Learning is available at <https://ies.ed.gov/ncser/projects/program.asp?ProgID=56>.

Civics Education and Social Studies

The Civics Education and Social Studies Program at NCER is aimed to develop the knowledge, skills, and attitudes of learners' when understanding intricate social and economic issues. This recent curricular focus expansion under the Every Student Succeeds Act (ESSA) encourages the inclusion of civics, geography, economics, and history to states' education curriculum. This will address the current student knowledge of social studies and increase the level of understanding and intellectual skills in these topic areas.

Sources and Additional Information:

- More information about the Civics Education and Social Studies program can be found at <https://ies.ed.gov/ncer/projects/program.asp?ProgID=111>

Effective Instruction

NCER's Effective Instruction Program targets research on approaches to improve teaching that promote student learning and success. More specifically, this program aims to identify and understand the essential knowledge and skills a teacher must possess to help promote student success, effective strategies in assessing teacher knowledge and skills, ways in which teachers can obtain the knowledge and skills they need to help improve student learning outcomes, and programs that help with teacher recruitment, retention, certification, and evaluation that aide in student success. Industrial-organizational psychology and cognitive science are highly encouraged by the Effective Instruction program as methodologies for researchers' projects.

Sources and Additional Information:

- More information on the Effective Instruction program can be found at <https://ies.ed.gov/ncer/projects/program.asp?ProgID=75>

Department of Justice

The Department of Justice (DOJ) provides financial assistance to states, local communities, and non-profit organizations to “conduct research, support law enforcement and public safety activities in state, local and tribal jurisdictions, assist victims of crime, provide training and technical assistance, and implement programs that improve the criminal justice system.” Awards are provided through block grants to state and local entities, as well as discretionary accounts. The main DOJ offices that provide direct support to universities and research institutes for applied social science studies are the National Institute of Justice (NIJ), Office of Juvenile Justice and Delinquency Prevention (OJJDP), and Bureau of Justice Assistance (BJA) within the Office of Justice Programs (OJP), as well as the Community Oriented Policing Services Office (COPS Office). The Office of Violence Against Women (OVW) and OJP’s Office for Victims of Crime (OVC) provide support to university and non-profit programs that offer protection to victims; however, these offices do not generally fund research.

Sources and Additional Information:

- Additional information about DOJ is available at <https://www.justice.gov/about>
- Additional information on opportunities within DOJ is available at <http://www.justice.gov/business/>.
- Additional information on DOJ’s implementation of memorandum M-20-17 is available at <https://www.justice.gov/grants>
- More information on JustGrants, where DOJ releases all of its solicitations, can be found at <https://justicegrants.usdoj.gov/about>.
- A list of JustGrants funding resources can be found at <https://justicegrants.usdoj.gov/resources/funding>.

More information on the DOJ’s transition to the ASAP system can be found at <https://justicegrants.usdoj.gov/getting-started>.

Office of Justice Programs

The Office of Justice (OJP) partners with the justice communities in states, cities, and neighborhoods to identify pressing crime-related challenges, and provides grants to implement unique solutions to tackle crime. There are several components within OJP that carry out targeted criminal justice objectives, including the National Institute of Justice (NIJ), which is the research, development and evaluation agency; the Office of Juvenile Justice and Delinquency Prevention (OJJDP), which supports a wide range of juvenile justice programs; the Bureau of Justice Assistance (BJA), which supports the development of criminal justice policy, planning, and programs in local communities; Bureau of Justice Statistics (BJS), which collects and analyzes criminal justice data; Office for Victims of Crime (OVC), which provides direct support to victims in the aftermath of crimes; and other miscellaneous bureaus and offices. While there are opportunities to partner with most of these components through relationships with state and local organizations or infrequent discretionary funding opportunities, OJP’s key entities for research and university engagement are NIJ, BJA, and OJJDP.

In October of 2020, the DOJ began releasing all solicitations for OJP, COPS and OVW through its Justice Grants System (JustGrants). All grant-related activity for the DOJ can be found on this website, as it provides resources for applicants, awardees, and stakeholders as well as facilitates registration for DOJ programs. The DOJ also transitioned all grant payment activities from the Grants Payments Request

System (GPRS) to the Department of Treasury's (USDT's) Automated Standard Application for Payment (ASAP) system.

National Institute of Justice

The National Institute of Justice (NIJ) is OJP's primary extramural scientific research arm and seeks to use science to improve the nation's ability to understand crime and promote justice. NIJ has six guiding principles that influence its mission and research agenda: increasing research to create a more equitable justice system; adhering to a fair and open competition process for government-funded research; creating a research agenda that effectively responds to real world needs; fostering research methods that simultaneously answer basic research questions and provide realistic solutions to crime; and partnering with other agencies and organizations. Each year, NIJ releases approximately 40-45 solicitations for numerous research awards, usually between December and May, covering a wide range of topics with the overall goal of strengthening science and enhancing justice. Solicitations cover several disciplines from big data analyses to social and behavioral sciences. Funding amounts, durations, and deadlines depend on the individual grant opportunity.

Recurring topics that NIJ addresses include: corrections, courts, crime prevention and crime, drugs and crime, equipment and technology, juvenile justice, forensic science, justice system reform, law enforcement, tribal crime and justice and victims of crime. Specific research foci for the agency shift each year to address emerging gaps in available information for policymakers and practitioners, and to evaluate and transform Administration priorities for criminal justice reform. Topics of recent emphasis from the Biden Administration and Congress include: community policing & policing tactics, domestic radicalization interventions, human trafficking, pretrial issues, administration of justice (impact of bail reform etc.), mental health, homelessness, school safety, violence against women, and reentry. Some topics change based on the make-up of the White House and Congress, as over time, Democrats could place more emphasis on areas like gun control, prison reform, and alternatives to incarceration, and other themes. NIJ has also released five-year strategic research plans related to investments in policing; corrections; safety and wellness in the criminal justice system; Law Enforcement Advancing Data and Science (LEADS) Initiative; and a new strategic plan on courts.

Further, NIJ has an annual Graduate Research Fellowship (GRF) Program that is open to doctoral students in all social and behavioral science disciplines. Previously, this solicitation had two separate tracks for social and behavioral sciences (SBS) and science, technology, engineering, and mathematics (STEM). However, starting in 2020, NIJ allowed applicants in both fields to respond to a single GRF solicitation. Solicitations are typically posted in February and provide funding for graduate research in areas such as "ensuring public safety, preventing and controlling crime, and ensuring the effective administration of criminal justice in the United States." This funding opportunity was not offered in FY 2021 but is expected to restart in FY 2022.

Office of Juvenile Justice and Delinquency Prevention

The Office of Juvenile Justice and Delinquency Prevention (OJJDP) examines multiple aspects of juvenile justice issues, including efforts to protect children, strengthen youth criminal justice systems, and prevent delinquency. OJJDP typically funds state-level support streams, but also occasionally offers extramural funding opportunities geared toward specific juvenile justice concerns, for which researchers can directly apply. Recent OJJDP awards have included reducing risks for girls in the juvenile justice system; development of new mentor programs; addressing the needs of incarcerated parents and their minor children; and implementing sustainable recidivism reduction policies.

In recent years, most of OJJDP's research programs have been moved to NIJ. The juvenile justice researchers who had previously relied on OJJDP support should look to NIJ as well. In addition, researchers should consider ways to partner with states and local institutions to provide evidence-based findings as sub-awardees for core OJJDP solicitations.

Bureau of Justice Assistance (BJA)

The Bureau of Justice Assistance (BJA) supports the development of state and local criminal justice strategies and capacities to improve community safety. Recent grants have supported community-based innovations related to the transition from jail to the community; drug abuse; intellectual property theft; policing tactics; managing individuals with mental disorders in the criminal justice process; and human trafficking prevention. The Bureau's mission primarily concerns the delivery and implementation of innovations, so there are fewer opportunities expressly focused on research and development when compared to some of the other OJP offices. As such, universities often must apply as sub-awardees. To be successful in competing for most awards offered by BJA, applicants should forge strong partnerships with targeted criminal justice entities and community leaders to ensure the delivery of evidence-based findings. As with other programs at DOJ, topics of interest change significantly based on criminal justice priorities in the White House and Congress.

Specific to social and behavioral sciences, the Sentinel Events Initiative (SEI), which was previously under NIJ, empowers local jurisdictions to learn from its errors with an all-stakeholder approach to mitigate future risk. SEI assists in building capacity and supporting jurisdictions in conducting their own objective sentinel event reviews. The goal of this program is to turn adverse situations into new opportunities, address systemic issues, prevent damaging cyclical practices, and earn public trust.

Sources and Additional Information:

- A list of recent solicitations can be found at <https://www.ojp.gov/funding/explore/current-funding-opportunities#OpenSols>.
- More information on OJP is available at <https://ojp.gov/about/about.htm>.
- The NIJ strategic research plans can be found at <https://nij.ojp.gov/about/strategic-research-plans-defining-challenges-inspiring-research>.
- More information on the Graduate Research Fellowship Program in the Social and Behavioral Sciences solicitation can be found at <https://nij.ojp.gov/funding/fellowships/graduate-research-fellowship-program>.
- More information on OJJDP is available at <https://ojjdp.ojp.gov/about>.
- More information on funding opportunities from OJJDP can be found at <http://www.ojjdp.gov/funding/funding.html>.
- More information on BJA is available at <https://www.bja.gov/default.aspx>.
- More Information on SEI is available at <https://bjaojp.gov/program/sentinel-events-initiative/overview>

Community Oriented Policing Services Office

The Community Oriented Policing Services (COPS) Office programs support community policing efforts at the state, local, and tribal level by providing resources, such as information and grants, to law enforcement agencies with the overall goal of addressing public safety concerns. This office may receive increased funding under the Biden Administration to further the goals of the Administration and Congress to reform policing policies. For example, some priorities of the Community Policing

Development (CPD) program, a key recurring opportunity for the research and higher education community to engage with the COPS Office, focus on increased tolerance and de-escalation training. CPD funds are used to advance the practice of community policing in law enforcement agencies through training and technical assistance and the development of innovative community policing strategies, applied research, guidebooks, and best practices that are national in scope and responsive to the solicitation topic requirements. The goal of the FY 2021 CPD was to expand law enforcement's capacity to implement community policing through four different solicitations, each with varying levels of funding: crisis intervention teams, de-escalation training, accreditation, and tolerance, diversity, and anti-bias online training. In total, approximately \$31.1 million in funding was made available through the FY 2021 CPD program

Sources and Additional Information:

- A list of solicitations is available at <https://cops.usdoj.gov/grants>.
- More information about COPS is available at <https://cops.usdoj.gov/aboutcops>.
- Additional information on the CPD award can be found at <https://cops.usdoj.gov/cpd>.

Department of Homeland Security

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) is responsible for fulfilling DHS research needs. While the Department has not typically been a major driver of social and behavioral research, interest in supporting applied social sciences to accomplish security goals and enhance agency efficiencies has increased.

Long-Range Broad Agency Announcement

DHS S&T features a long-range broad agency announcement (LRBAA), which covers a variety of subjects that have little detail, as to allow the Department more flexibility in making awards. LRBAA includes the following research areas: securing aviation; protecting from terrorist attacks; securing borders; securing cyberspace; preventing terrorism; and managing incidents. The LRBAA currently has multiple topics for which faculty can submit promising research solutions and will remain open through June 2023. Some of the topics in the most recent LRBAA solicit applied social and behavioral science research that will enable decision makers, inform policy makers, and assist operational partners around various security priorities, including gathering actionable intelligence on human trafficking, understanding motives behind cyber-attacks, detecting and countering violent extremism, and developing behavior-based models to improve community disaster resilience.

Applicants are encouraged to submit research concepts and white papers related to individual topics through the new DHS BAA Submissions Portal. Submissions will be accepted anytime through the portal and will be evaluated by a review panel comprised of government technical experts drawn from staff within DHS S&T and other Federal agencies.

Sources and Additional Information:

- Additional information on the LRBAA can be found at <https://www.dhs.gov/science-and-technology/st-lrbaa>.
- The DHS BAA solicitation portal can be found at <https://baa2.st.dhs.gov/portal/BAA>.

Centers of Excellence

DHS S&T also houses the Office of University Programs, which administers the Department's Center of Excellence (COE) Program. The COE program is the flagship research account for universities at DHS, as it brings together several academic institutions and private sector entities to generate basic and applied research that rapidly deliver innovative technologies and processes for the homeland security community. COE's are multi-year competitions that are based on the needs of DHS components. Between competitions for awards, researchers should connect with COEs relevant to their research areas and build relationships, as COEs often fund sub-awardees for projects in areas of interest. Several of the COEs have research missions with social science aspects including, but not limited to, the Center for Accelerating Operational Efficiency (CAOE), Coastal Resilience Center of Excellence (CRC), and the new National Counterterrorism Innovation, Technology, and Education (NCITE).

Sources and Additional Information:

- Additional information on the COE program, including a list of COEs can be found at <https://www.dhs.gov/science-and-technology/centers-excellence>.

Technology Centers

Technology Centers, formerly referred to as Technology Engines, leverage expertise and technologies from across the homeland security enterprise to meet the cross-cutting needs of DHS S&T programs. With this, the agency intends to maximize the efficiency of program implementation by gaining a better understanding of how the public is affected by current initiatives and expanding opportunities for involvement and application of subject matter experts. This research will have agency-wide implications as the Department looks to maximize the potential of federal investments, expands existing program capabilities, and establishes concrete metrics for measuring the success of federal programs. DHS has expanded its portfolio to include research investigating the human implications of existing DHS programs. One key example of this is the Social Sciences Technology Center (SS-TC), which ensures social science expertise by fostering “basic and applied research support to the [DHS] programs that addresses their human impact.”

Sources and Additional Information:

- More information about the Social Sciences Technology Center (SS-TC) can be found at <https://www.dhs.gov/science-and-technology/SS-TC>.

Institute of Museum and Library Services

The Institute of Museum and Library Services (IMLS) places an emphasis on the preservation of and access to American cultural artifacts. Proposals for funding from IMLS programs are accepted on a rolling basis. Deadlines for individual awards are listed on the website.

Sources and Additional Information:

- Current opportunities are available at <https://www.imls.gov/grants/apply-grant/available-grants>.
- A guide to choosing a funding opportunity for 2020 can be found at <https://www.imls.gov/sites/default/files/webinar/transcripts/fy2020choosingafundingopportunitytranscript.pdf>.

Collections Assessment for Preservation Program (CAP)

The Collections Assessment for Preservation (CAP) Program helps small-to-medium-sized museums assess and improve current collections activities. In a joint effort with the Foundation for Advancement in Conservation, the CAP assessment aims to help museums by providing care recommendations for collections, developing a long-range preservation plan, and serve as a fundraising tool for future projects. The most recent deadline for applications was September 15, 2021.

Source and Additional Information:

- More information about the Collections Assessment for Preservation Program is available at <https://www.imls.gov/grants/available/collections-assessment-preservation-program>.

Laura Bush 21st Century Librarian Program

The Laura Bush 21st Century Librarian (LB21) Program strives to support “enhancing the training and professional development of librarians, developing faculty and library leaders, and recruiting and educating the next generation of librarians.” These grants will range up to \$1 million for implementation grants, up to \$150,000 for planning and national forum grants, up to \$750,000 for research grants. These grants will last for up to two or three years, depending on the type of grant, except for doctoral program projects which may run for an additional year. There is a cost sharing requirement for LB21 grants, except for implementation grants that are more than \$250,000. Applications were due by September 24, 2021.

Source and Additional Information:

- More information about the Museums for America Program is available at <https://www.imls.gov/grants/available/laura-bush-21st-century-librarian-program>.

National Leadership Grants for Libraries and Museums

IMLS looks to support projects with the potential to elevate museum and library practice through its National Leadership Grants programs. Through the National Leadership Grants for Libraries (NLG-L), IMLS supports “projects that generate results such as new models, new tools, research findings, services, practices, and/or alliances that can be widely used, adapted, scaled, or replicated to extend and leverage the benefits of federal investment.” NLG-L offers planning, national forum, implementation, and research grants, ranging from \$50,000 to \$1 million with a grant period of up to three years. One to one cost sharing is only required on implementation grants over \$250,000. The next deadline for preliminary applications was September 24, 2021.

Source and Additional Information:

- More information about National Leadership Grants for Libraries is available at <https://www.ims.gov/grants/available/national-leadership-grants-libraries>.

National Archives and Records Administration

The National Historical Publications and Records Commission (NHPRC) is the grant-making division of the National Archives and Records Administration (NARA). The NHPRC promotes the preservation and use of documents essential to the understanding of American history and culture. Grants are made by the NHPRC to assist non-federal institutions, including universities and colleges, in efforts to preserve and make other records of historical value broadly accessible.

Sources and Additional Information:

- A complete listing of grant programs offered by NHPRC with submission deadlines can be found at <http://www.archives.gov/nhprc/announcement/>.
- More information about the National Historical Publications and Records Commission and what projects the Commission supports is available at <http://www.archives.gov/nhprc/about/> and <http://www.archives.gov/nhprc/apply/eligibility.html>.

Publishing Historical Records in Documentary Editions

This program provides funding for publishing nationally significant historical records to improve access to historical information. For this program, projects may focus on “broad historical movements in U.S. history, such as law (including the social and cultural history of the law), politics, social reform, business, military, the arts, and other aspects of the national experience, including any aspect of African American, Asian American, Hispanic American, and Native American history.” Awards under this program are for one year and up to \$175,000. It is expected that the NHPRC will award 25 grants in the next awards cycle. For this program, U.S. academic institutions are eligible to apply, and a 50 percent cost share is required. The first deadline for applications was in June, with support for projects beginning no earlier than January 1, 2022. The second deadline for applications is October 7, 2021, with support for projects beginning no earlier than July 1, 2022. Future deadlines have not yet been posted.

Sources and Additional Information:

- More information on the Publishing Historical Records in Documentary Editions Program is available at <http://www.archives.gov/nhprc/announcement/editions.html>.

Access to Historical Records

This program provides funding for proposals seeking to “promote the preservation and use of historical records collections to broaden understanding of our democracy, history, and culture.” The program is divided into two thrusts: the Archival projects and Major Initiatives. Funding will support a variety of activities including: “Preservation, arrangement, and online description of historical records in all formats; [and] Digital preservation of electronic records and unstable audio or moving image formats.”

Awards for the Archival Projects program are typically one or two years in duration with a maximum funding level of \$150,000. It is expected that NHPRC will distribute up to 10 grants under this program during the current application cycle. U.S. academic institutions are eligible to apply for these grants. This program requires cost sharing between the NHPRC and applicant organization. The application deadline is October 7, 2021 for programs beginning on July 1, 2022.

Awards for the Major Initiatives FY 2021 program are one to three years in duration, with funding ranging between \$100,000 and \$350,000. It is expected that NHPRC will distribute up to five grants in this category. U.S. academic institutions are eligible to apply but must be invited to apply to the full

program after submitting preliminary proposals. The deadline for submitting a preliminary proposal is January 16, 2020. The deadline for submitting a full application was July 13, 2021, with support beginning no earlier than January 1, 2022.

Sources and Additional Information:

- More information about the Access to Historical Records: Archival Projects Grant Program is available at <https://www.archives.gov/nhprc/announcement/archival.html>.
- More information about the Major Initiatives FY 2022 program can be found at <https://www.archives.gov/nhprc/announcement/major-21>.

Public Engagement with Historical Records

This program “seeks projects that encourage public engagement with historical records, including the development of new tools that enable people to engage online. The NHPRC is looking for projects that create models and technologies that other institutions can freely adopt. In general, collaborations among archivists, documentary editors, historians, educators, and/or community-based individuals are more likely to create a competitive proposal. Projects that focus on innovative methods to introduce primary source materials and how to use them in multiple locations also are more likely to create a competitive proposal.” Typically, awards are one to three years in duration and issued in amounts ranging from \$50,000 to \$150,000, the Commission expects to award up to five grants with a total amount of \$400,000 allocated. FY 2022 applications are due by October 7, 2021 for projects beginning on July 1, 2022.

Source and Additional Information:

- The grant announcement is available at <https://www.archives.gov/nhprc/announcement/engagement.html>.

Smithsonian Institution

The Smithsonian Institution (SI) does not typically support independent extramural projects. However, the Institution does offer fellowship and internship opportunities to the extramural community for collaborative projects with the SI, which may be of interest to university faculty and students.

Sources and Additional Information:

- Additional information on the Smithsonian Institution is available at <http://www.si.edu/>.

Smithsonian Institution Fellowship Program

The Smithsonian Institution (SI) offers a variety of fellowships and internships for “graduate, pre-doctoral, or post-doctoral students” in addition to “visiting professionals, students, scientists, or scholars.” These opportunities can be Smithsonian-wide, a virtual fellowship, or sponsored by a specific Smithsonian unit. The SI units include the Center for Folklife and Cultural Heritage; Conservation Commons; Freer-Sackler Galleries; National Air and Space Museum; National Museum of American History; National Museum of the American Indian; National Museum of Natural History; Renwick Gallery; Smithsonian Astrophysical Observatory; Smithsonian Center for Learning and Digital Access; Smithsonian Environmental Research Center; Smithsonian Institution Libraries; Smithsonian Latino Center; and Smithsonian Tropical Research Institute. The fellowship programs have varying application deadlines, program durations, and stipends based on the program division.

Sources and Additional Information:

- More information about Smithsonian Fellowship and internship opportunities is available at <https://www.si.edu/ofi>.

Interagency

National Security Education Program

The National Security Education Program (NSEP) is run by the National Security Education Board, chaired by the Secretary of Defense. While the program is implemented by the Department of Defense's Office of the Under Secretary of Defense for Personnel and Readiness, the Board includes representatives from the Department of Defense, Department of Commerce, Department of Education, Department of Energy, Department of Homeland Security, Department of State, National Endowment for the Humanities, Office of the Director of National Intelligence, and various presidential appointees.

This program seeks to “build a broader and more qualified pool of U.S. citizens with foreign language and international skills.” Specifically, the program provides funding for undergraduates, graduate students, and professionals, to study languages and cultures with a national security perspective to prepare them for government service. NSEP targets “the critical languages and cultures of Asia, Africa, Eastern Europe, the Middle East, and Latin America.” There are nine different initiatives within NSEP, some of which offer individual awards, while others are institutional awards. Individual recipients of two NSEP awards, the David L. Boren Scholarships and Fellowships, are expected to work for the federal government for at least one year after the expiration of their award. Some of the NSEP programs, such as the Language Flagship program, offer institutional awards to universities recognized as leaders in the field of language education to enhance their ability to teach language and regional studies for national security purposes.

NSEP consists of the following initiatives that represent broad strategic partnerships with the U.S. education community and are designed to positively promote U.S. national security and national competitiveness:

- David L. Boren Scholarships (<https://www.nsep.gov/content/david-l-boren-scholarship>)
- David L. Boren Fellowships (<https://www.nsep.gov/content/david-l-boren-fellowships>)
- The Language Flagship (<http://thelanguageflagship.org/>)
- English for Heritage Language Speakers (<http://www.ehlsprogram.org/>)
- National Language Service Corps (<https://www.nlscorps.org/membership>)
- Project GO (<http://www.rotcprojectgo.org/>)
- Language Training Centers (<http://www.nsep.gov/content/language-training-centers>)
- Regional Flagship Languages Initiative: African and South Asian (<https://www.nsep.gov/RFLI>)

Deadlines, application information, and funding amounts vary for these programs. Further information is available at the individual program sites listed above.

Source and Additional Information:

- More information about the National Security Education Program is available at <http://www.nsep.gov/>.

Additional Funding Agencies

Several other agencies and departments offer limited funding for research in the social and behavioral sciences. However, this funding is often irregular, without annual solicitations or deadlines. While some of the below programs are not likely to be reissued in FY 2021, it is still valuable to keep these agencies in mind as potential funding sources in the future due to the interdisciplinary nature of mission driven research agencies.

Department of Agriculture

The U.S. Department of Agriculture's (USDA) primary mission is to regulate and implement public policy for the nation's food, nutrition, agriculture, and natural resources. Though an array of offices within USDA support extramural research opportunities, the National Institute of Food and Agriculture (NIFA) is the primary extramural research and grant-making body of the agency. Through NIFA's grants, USDA conducts research critical to farmers, consumers, and communities. While NIFA does offer solicitations for relevant programs that incorporate the social sciences on an annual basis, the social sciences are not considered to be among NIFA's main priorities. Some past solicitations incorporating the social sciences have investigated agricultural systems, consumer behavior, decision making, demographic changes, and agricultural education.

NIFA awards the Agriculture and Food Research Initiative (AFRI) research, education, and extension grants to improve rural economies, increase food production, ensure food safety and security, enhance human nutrition, and train the next generation of the agricultural workforce. **The Education and Workforce program** is an annual grant focused on professional development for agricultural literacy; training of undergraduate students in research and extension; fellowships for predoctoral candidates; fellowships for postdoctoral scholars, and a new program for agricultural workforce training. Awards are up to \$1 million with an estimated total funding available of \$45 million. The deadline for proposals was July 1, 2021.

Additionally, USDA's Economic Research Service (ERS) is the primary source of the agency's economic information and research. ERS is an intramural agency but offers limited competitive grants and cooperative agreement opportunities. In particular, ERS is interested in topics like behavioral economics, healthy choices, and policy research. One mechanism utilized by ERS is the **Research Innovation and Development Grants in Economics Program (RIDGE) program**. This program, administered through a partnership with Tufts University and the University of Connecticut, "encourages new and innovative research on food and nutrition assistance issues and broadens the participation of social science scholars in such research." The 2020 RIDGE Conference was held virtually in October and featured cutting edge research directed at improving food security and nutrition for impoverished areas.

Both NIFA and ERS have worked over the last year to staff up after relocating to Kansas City.

Sources and Additional Information:

- A complete listing of grant programs offered by NIFA with submission receipt deadlines can be found at <https://nifa.usda.gov/page/search-grant>.
- The full RFA for the Education and Workforce award can be found at <https://nifa.usda.gov/funding-opportunity/agriculture-and-food-research-initiative-education-workforce-development>.

- Additional information about extramural research at ERS is available at <https://www.ers.usda.gov/topics/food-nutrition-assistance/extramural-research/>.

Department of State and U.S. Agency for International Development

The U.S. Department of State (DOS) and the U.S. Agency for International Development (USAID) each support limited humanities and social science research in support of their diplomatic and development missions. Importantly, the agencies have relatively few re-occurring opportunities mostly in the form of fellowships or cultural exchange programs, with other awards released as needed basis to inform advances in U.S. foreign policy, strengthen relations with international partners, or catalyze better global development practices. Successful applicants for State and USAID awards often have pre-existing partnerships with in-country institutions.

The DOS, Bureau of Educational and Cultural Affairs (ECA) has historically prioritized funding for educational and cultural exchange programs, including the Fulbright Program among others. The Fulbright Program has an annual application cycle which enables competitively selected American citizens including students, scholars, teachers, professionals, scientists, and artists to receive funding to conduct research including in the humanities and social sciences, teach, or study internationally – and enables international citizens to do the same in the United States. Other social science opportunities exist but are somewhat limited by way of the technical and regional bureaus – and U.S. Embassies. Faculty conducting research that may be relevant to U.S. foreign policy priorities can consider connecting with DOS personnel, including those at Embassies, to discuss opportunities in targeted areas, though funding for research-related activities is extremely limited and hard to come by. Instead, the value to engagement with the DOS can be expanded international networks and other profile raising.

USAID also provides opportunities for social science researchers interested in international development. However, as noted above, USAID primarily supports social science research as an aspect of a larger project, rather than as a standalone activity with the goal of supporting in-country solutions to development challenges. Agency officials often stress the importance of interdisciplinary teams, which can include social and behavioral scientists. Areas of interest to USAID related to social science research include agriculture/food security, global health, governance, economic growth/trade, and climate/energy. For example, USAID’s Breakthrough RESEARCH program identifies key gaps and develops research agendas that guide social and behavior change (SBC) research, programs, policies, and priorities. In-country partnership and relationships with USAID missions in developing countries are key to successful engagement with USAID.

Over the last couple of years, USAID has created new mechanisms to engage with U.S. universities through its second phase of the Higher Education Solutions Network (HESN 2.0). The “Long-term Assistance and Services for Research” (LASER) award led by Purdue University aims to leverage international networks of universities to address new international development research questions. The “Research Technical Assistance Center” (RTAC) award led by NORC at the University of Chicago coordinates research and evince-based reports for “improved development outcomes.” HESN 2.0 also supports university research through the “Science, Technology, Innovation and Partnership Annual Program Statement” (STIP-APS), which invites universities and broader consortia to respond to specific USAID priorities. The HESN 2.0 is near the end of its cycle. We anticipate that USAID will be considering how to support its next phase of university-focused programming through the HESN over the next year.

Sources and Additional Information:

- Details on programs administered by ECA, which are primarily exchange programs, are available at <http://exchanges.state.gov/>.
- More information about USAID is available at <https://www.usaid.gov/what-we-do>.
- More information on USAID's HESN 2.0 is available at <https://www.usaid.gov/hesn>.
- More information on USAID's SBC efforts is available at <https://www.usaid.gov/global-health/health-areas/maternal-and-child-health/projects/social-and-behavior-change-program>

Environmental Protection Agency

The Environmental Protection Agency (EPA) is a regulatory agency whose mission is focused on protecting human health and the environment. EPA's activities are authorized through legislation such as the *Clean Air Act*, the *Clean Water Act*, and the *National Environmental Policy Act*. EPA's research and development agenda seeks to support technological innovation and the formulation of evidence-based regulations on water, air, soils, chemicals, emerging contaminants, and hazardous waste. While EPA programming is largely intramural, the agency does provide some grant funding for academic research, some of which include social science components. Under the Biden Administration, the EPA has been heavily focused on environmental justice (EJ) and climate change, and is seeking to incorporate social science components more into its work as it places a greater emphasis on equity, community engagement, and the development, adoption and assessment of environmental regulatory policy.

EPA's Office of Research and Development (ORD) is the scientific research arm of the agency. ORD supports six broad programs in areas ranging from air and water quality to sustainable communities, with each program being guided by its own Strategic Research Action Plan (STRAP). The activities most relevant to social and behavioral science are funded through the Sustainable and Healthy Communities (SHC) program, though solicitations for other programs often have components relevant to social science, such as research on improving communications strategies around environmental hazards. Each of the six ORD research programs may solicit external research proposals through the Science to Achieve Results (STAR) program, the primary mechanism for supporting extramural research at academic institutions. Typically, STAR Requests for Applications (RFAs) are posted throughout the year and offer grant funding in targeted areas intended to compliment EPA's in-house capabilities. Topics vary from year to year, but notices of intent for new programs are typically posted on the EPA website well before solicitations are released. EPA's research priorities are internally driven, meaning that the agency does not request potential applicants to submit white papers with research ideas.

ORD also offers postdoctoral research programs lasting up to four years. ORD postdoctoral research programs are housed in four distinct Centers at EPA, of which the most relevant to social sciences are the Center for Public Health and Environmental Assessment (CPHEA) and the Center for Environmental Solutions and Emergency Response (CESER). Participants are typically placed at different EPA research center locations across the U.S. depending on their research focus.

The EPA's Office of Environmental Justice also runs an EJ grants program, which includes significant social science components. In the past, EPA has utilized this program to fund state, local, and community-based institutions to address environmental and public health issues. For this reason, university-based researchers have not been eligible to apply directly for these awards and must instead partner with communities or other eligible entities to access EPA funds. The EPA anticipates significant growth of the EJ program under the Biden Administration and is intending not only to grow existing mechanisms, including EJ Small Grants and the State Environmental Justice Agreements, as well as to create new ones.

Sources and Additional Information:

- The EPA's FY 2018 – FY 2022 Strategic Plan is available at <https://www.epa.gov/sites/default/files/2019-09/documents/fy-2018-2022-epa-strategic-plan.pdf>.
- The list of EJ grants is available at <https://www.epa.gov/environmentaljustice/environmental-justice-grants-funding-and-technical-assistance>.
- A list of the ORD Research Programs and STRAPs are available at <https://www.epa.gov/research/strategic-research-action-plans-2019-2022>, and the SHC STRAP is available at https://www.epa.gov/sites/default/files/2020-03/documents/shc_final_strap_fy_19-22_2019_02_26-02_tagged.pdf.
- A list of current opportunities and notices of intent is available at <https://www.epa.gov/research-grants/research-funding-opportunities>.
- More information about the postdoctoral research fellowships is available at <https://cfpub.epa.gov/ordpd/>.

The National Aeronautics and Space Administration

The National Aeronautics and Space Administration (NASA) funds research and technology development related to spaceflight, planetary science, astrophysics, aerospace, and human space exploration. NASA primarily focuses more on technology and innovation than social and behavioral sciences. However, the agency's Human Exploration and Operations (HEO) Mission Directorate does examine certain aspects of social and behavioral sciences related to astronauts living and working in space. More information about HEO can be found at <https://www.nasa.gov/directorates/heo/index.html>.

Technology development conducted at NASA, including any social science research, is influenced by a technology taxonomy. The NASA technology taxonomy is a "roadmap" that guides cross-agency technology investments to enable future space missions and advance the interests of the agency. The updated 2020 taxonomy includes "17 distinct technical discipline-based Taxonomies (TXs)." Of note, TX-6, Human Health, Life Support, and Habitation Systems, defines the research needs in specific areas such as "Behavioral Health and Performance." More information can be found at <https://www.nasa.gov/offices/oct/taxonomy/index.html>

Human Exploration and Research Opportunities

The Human Exploration Research Opportunities (HERO) solicitation, housed in the Human Exploration and Operations Mission Directorate, supports research related to the goals of the Human Research Program (HRP), which aims to ensure human health and productivity in deep space exploration. Research areas of interest for HRP include space radiation, human health countermeasures, exploration medical capability, human factors and behavioral performance, and research operations and integration. The solicitation aims to complete objectives such as:

- "Quantification of the crew health and performance risks associated with human spaceflight for the various exploration missions;
- Development of countermeasures to provide mission planners and system developers with strategies for mitigating crew health and performance risks; and
- Development of technologies to provide mission planners and system developers with strategies for monitoring and mitigating crew health and performance risks."

A specific mechanism for social sciences within the HERO solicitation is the Translational Research Institute for Space Health (TRISH). Led by Baylor College of Medicine's Center for Space Medicine, TRISH is a consortium that funds “game-changing space health countermeasures and technologies” to reduce human health risks in deep space exploration.

The HERO solicitation is released annually on July 31. HERO awards typically range in value from \$100,000 to \$1 million per year depending on the complexity of the project. Proposals are due between September 1, 2021 and July 2022.

Sources and Additional Information:

- More information on HRP is available at <https://www.nasa.gov/hrp>.
- More information about TRISH can be found at <https://www.bcm.edu/academic-centers/space-medicine/translational-research-institute>.

National Oceanic and Atmospheric Administration

The National Oceanic and Atmospheric Administration (NOAA) offers extramural funding related to its mission to support ocean, coastal, atmospheric, and climate change research. Under the Biden Administration, NOAA continues to prioritize the enhancement of its social science capabilities as they relate to its mission of protecting natural resources, responding to climate-related challenges, and building resilience to weather events with an increased focus on environmental justice and equity. While NOAA does not currently have a direct social science portfolio, the Office of Oceanic and Atmospheric Research (OAR) continues to incorporate more social and behavioral research in its existing portfolio.

OAR’s Climate Program Office (CPO) supports annual interdisciplinary, competitive programs through three different divisions, including programs designed to augment climate literacy and use that improved knowledge and understanding to apply that information to improve decision-making related to environmental policy and practice. The OAR Weather Program Office (WPO) also supports an annual competitive program, which includes research focused on social, behavioral, and economic science applications of weather observations and modeling including resilience and emergency management.

The NOAA Office of Education offers an annual Environmental Literacy Program. The active FY 2022 competition will fund projects which promote environmental literacy in communities so that they can build resilience to extreme weather and climate change “in ways that contribute to community health, social cohesion, and socio-economic equity.” This program, which started in FY 2015, has previously funded projects related to youth leadership in sustainability, increasing resilience to rising sea levels, citizen science and civics, as well as projects targeted towards underserved communities. The newest solicitation emphasizes the significance of diversity, equity, inclusion, and climate justice, and indicates that particular attention will be paid to proposals that propose to work with children, youth, and/or adults in communities that are disproportionately impacted by climate change and extreme events with limited resources to help minimize those risks.

NOAA has a competitive National Coastal Resilience Fund grants program through the Office for Coastal Management. This is competed on an annual basis and addresses the interdisciplinary components of resiliency, including socioeconomic benefits, hazard mitigation planning, and disaster preparedness. Administered by the National Fish and Wildlife Foundation (NFWF) in partnership with NOAA, the program provided more than \$37 million in 2020 and plans to award \$34 million in 2021 for projects that focus on regional priorities and work closely with local communities.

The Collaborative Science, Technology, and Applied Research (CSTAR) Program is a joint effort by NOAA and the National Weather Service (NWS) which supports transitions from basic and applied research to operations and services. This program is typically heavily focused on meteorological research, but the FY 2022 solicitation is specifically targeted towards the social and behavioral aspects of weather, extreme weather, and climate services on underserved and historically disadvantaged communities.

Sources and Additional Information:

- Information on the CPO programs is available at <http://cpo.noaa.gov/> and <https://cpo.noaa.gov/Funding-Opportunities>.
- Information on the WPO programs is available at <https://wpo.noaa.gov/> and <https://wpo.noaa.gov/NOFO>.
- Information on the NMFS National Cooperative Research program is available at <https://www.fisheries.noaa.gov/grant/cooperative-research-program>.
- Information on the National Coastal Resilience Fund grants program is available at <https://coast.noaa.gov/resilience-grant/> and <https://www.nfwf.org/programs/national-coastal-resilience-fund>.
- Information on the CSTAR Program is available at <https://www.nws.noaa.gov/ost/cstar.htm#:~:text=Technology%2C%20and%20Applied%20Research%20%28CSTAR%29%20Program%20The%20CSTAR,institutions%20which%20have%20expertise%20in%20the%20environmental%20sciences> and <https://www.grants.gov/web/grants/view-opportunity.html?oppld=335585>.