

August 9, 2021

Funding Opportunity Edition

NIH Announces Funding Opportunity to Study the Role of Work in Health Disparities in the U.S.

The Role of Work in Health Disparities in the U.S. (R01 Clinical Trials Optional) ([PAR-21-275](#)) will support innovative population-based research designed to identify and characterize pathways and mechanisms through which work or occupation influences health outcomes and health status among populations with health and / or health care disparities.

The main objective of this initiative is to determine the extent and mechanisms by which work, as a social determinant of health, both contributes to and helps alleviate disparities related to health and health care.

Of particular interest are:

- projects designed to examine pathways and mechanisms using conceptual model(s) grounded in minority health and health disparities theories that recognize that health disparities arise by multiple and overlapping contributing factors acting at multiple levels of influence;
- intersectional approaches that consider different social identities and the embeddedness of individuals within families, households, and communities;

- projects that explore whether work can explain the health or health care disparities seen within diseases or conditions (e.g., COVID-19, opioid use disorder, mental / behavioral health, diabetes, cancer, heart disease, asthma, and maternal and infant health); and
- projects that explore how work contributes to health care disparities—including, but not limited to, disparities in access to preventive, specialty, and emergency care in health insurance coverage and disparities in quality of health care.

Applications for The Role of Work in Health Disparities in the U.S. (R01 Clinical Trials Optional) will open on September 5, 2021.

RCA Funding Opportunities

RCA has opened applications for two funding programs:

Research Development Travel and Conference Support Awards help defray expenses for faculty presenting at national conferences (virtual or on-site) or for supporting travel to visit archives or special collections. As this pool of funding is limited, please consider allowing individuals who do not have other sources of travel funding to apply for this opportunity.

Research Support Services Awards help defray the costs of support services required for research, creative, or scholarly activity. For example, funds may be used in one of the NDSU Core Facilities, another recharge / service center, or for transcription services.

More information and application instructions are posted on the [RCA website](#).

Upcoming Limited Submission Program Deadlines

Limited submission grant programs are those that indicate a limit on the number of proposals that may be submitted by an institution for a particular deadline. A selection process becomes necessary if more applicants express interest in applying than NDSU is allowed to submit to the grant program. Email notifications of interest to ndsu.researchdev@ndsu.edu.

If you identify a limited submission opportunity that is not on the list below, please notify ndsu.researchdev@ndsu.edu.

- [NIH R25: Genome Research Experiences to Attract Talented Undergraduates into the Genomics Field to Enhance Diversity](#)
Notification Deadline: 9/15/2021
- [NSF: Major Research Instrumentation \(MRI\)](#)
Notification Deadline: 9/29/2021

There are a number of limited submission grant programs with upcoming agency deadlines for which we did not receive any notifications of interest. A full list of those programs is available on the [Limited Submissions page](#). For these programs, marked "First to Notify," approval to move forward with a full proposal submission to the funder will be given on a first come, first served basis. Email notifications of interest to ndsu.researchdev@ndsu.edu.

- [NSF: Germination of Research Questions for Addressing Critical Societal Challenges](#)
Letter of Intent deadline: 08/27/2021
- [HRSA: Promoting Resilience and Mental Health Among Health Professional Workforce](#)
Deadline: 08/30/2021
- [NIH: Director's Early Independence Awards](#)
Deadline: 09/03/2021
- [NSF: Research Traineeship Program \(NRT\)](#)
Deadline: 09/06/2021
- [NSF: 2024 American National Election Study Competition](#)
Letter of Intent Deadline: 09/20/2021

- [NIH: Faculty Institutional Recruitment for Sustainable Transformation \(FIRST\) Program: FIRST Cohort](#)
Deadline: 09/24/2021
- [NIH: Bridges to the Baccalaureate](#)
Notification Deadline: 09/27/2021
- [NEH: Infrastructure and Capacity Building Challenge Grants](#)
Deadline: 09/28/2021

FUNDING OPPORTUNITIES

- [Bush Foundation: Community Innovation Grants](#)
- [Defense Established Program to Stimulate Competitive Research](#)
- [DoD: Engineer Research and Development Center BAA](#)
- [Fulbright Scholar Program](#)
- [NIH: Accelerating the Pace of Drug Abuse Research Using Existing Data](#)
- [NIH: Sustainable Evidence-Based Mental Health Practices in Low-Resource Settings](#)
- [NIH: Genome Research Experiences to Attract Talented Undergraduates](#) – LIMITED
- [North Central Sustainable Agriculture Research and Education Grants](#)
- [NSF / NIH: Research at the Interface of Biological and Mathematical Sciences](#)
- [NSF DCL: Persons with Disabilities - STEM Engagment and Access](#)
- [NSF DCL: Toward an Equitable National Cyberinfrastructure](#)
- [NSF: Broadening Participation in Engineering](#)
- [NSF: Humans, Disasters, and the Built Environment](#)
- [NSF: Secure and Trustworthy Cyberspace Frontiers](#)
- [Otto Bremer Trust: Social Return](#)
- [Simons Foundation: Collaborations in Mathematics and the Physical Sciences](#)
- [Spencer Foundation: Conference Grants in Education](#)

Looking for more funding opportunities?



RCA subscribes to SPIN by InfoEd Global, a database of more than 40,000 funding opportunities. Through this subscription, SPIN is free for current NDSU faculty, staff, and students.

For more information and to access this database, visit the [SPIN page](#) on the RCA website. If you have questions, please contact ndsu.researchdev@ndsu.edu.

Bush Foundation: Community Innovation Grants

[Community Innovation Grants](#) invest in great ideas and the people who power them. The grants support organizations coming together to solve community challenges. The Bush Foundation provides Community Innovation grants of \$10,000 to \$200,000. Grants under \$20,000 are available from intermediary partner organizations. The grants are flexible, and can be used to develop new ideas, test ideas already imagined, or spread proven ideas for more impact.

The Foundation is open to considering ideas on a range of issues, with an eye toward whether they could have truly transformative impact. They are looking for the ideas with the greatest potential to make the region better for everyone. The idea can be big in scale from the start or one that is starting small and could grow and spread. They are interested in ideas that inspire, equip, and connect people to lead change.

The Foundation prioritizes ideas that will make the region more equitable in opportunities and outcomes, especially for Black people, Indigenous people, people of color and / or people from rural communities. They are interested in proposals that address the conversations around racism and equality and / or the needs related to COVID-19.

Applications accepted year-round.

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DEPSCoR: Research Collaboration

The objectives of the Defense Established Program to Stimulate Competitive Research (DEPSCoR) are to:

1. increase the number of university researchers in eligible States / Territories capable of performing science and engineering (S&E) research responsive to the needs of the Department of Defense (DoD);
2. enhance the capabilities of institutions of higher education (IHEs) in eligible States / Territories to develop, plan, and execute S&E research that is relevant to the mission of the DoD and competitive for Federal funding; and
3. increase the probability of long-term growth in the competitively awarded Federal funding.

The Research Collaboration funding opportunity [[FOA-AFRL-AFOSR-2021-0007](#)] aims to create basic research collaborations between a **pair** of researchers, namely

1. Applicant / Principal Investigator (PI), a full-time faculty member who has never served as a PI on a prior DoD directly funded research Prime award; and
2. Collaborator / co-Principal Investigator (co-PI), an investigator who will provide mentorship to the Applicant **and** has served as a PI on a DoD directly funded research Prime award active between October 1, 2014, and September 30, 2021.

This structure is aimed at introducing potential applicants to the DoD's unique research challenges and its supportive research ecosystem. Topic areas of interest include:

- Physics of Sensing;
- Complex Networks;
- Modeling of Complex Systems;
- Biomathematics;
- Solid Mechanics;
- Environmental Chemistry;
- Electronic Sensing;
- Nanoscale Computing Devices and Systems;
- Additive Manufacturing; and
- Social Networks and Computational Social Science.

See the full list in the FOA.

Deadline: September 20, 2021



DoD: Engineer Research and Development Center BAA

The U.S. Army Engineer Research and Development Center (ERDC) has issued a [Broad Agency Announcement \(BAA\)](#) for various research and development topic areas. The ERDC is responsible for conducting research in the broad fields of hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical / mechanical / chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes.

This BAA is open until superseded. Applications are accepted at any time.

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Fulbright Scholar Program

The [Fulbright U.S. Scholar Program](#) awards more than 800 fellowships annually. Over 400 different types of opportunities are available to teach, research, and conduct professional projects in more than 135 countries. Location and eligibility vary across all awards, and some awards may be restricted to certain career levels or types of scholars.

Deadline: September 15, 2021

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NIH: Accelerating the Pace of Drug Abuse Research Using Existing Data (R01 Clinical Trial Optional)

The purpose of this Funding Opportunity Announcement (FOA) [\[PAR-19-368\]](#) is to invite applications proposing innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of substance using behaviors (defined as alcohol, tobacco, prescription and other substances) and related disorders, prevention of substance use and HIV, and health service utilization. This FOA encourages the analyses of public use and other extant community-based or clinical datasets to their full potential in order to increase our knowledge of etiology, trajectories of substance using behaviors and their consequences

including morbidity and mortality, risk and resilience in the development of psychopathology, strategies to guide the development, testing, implementation, and delivery of high quality, effective and efficient services for the prevention and treatment of substance use disorder and HIV.

Deadline: October 5, 2021

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NIH: Effectiveness of Implementing Sustainable Evidence-Based Mental Health Practices in Low-Resource Settings to Achieve Mental Health Equity for Traditionally Underserved Populations (R01 Clinical Trial Optional)

This Funding Opportunity Announcement (FOA) [[PAR-21-284](#)] encourages studies that develop and test the effectiveness of strategies for implementation and sustainable delivery of evidence-based mental health treatments and services to improve mental health outcomes for underserved populations in low-resourced settings in the United States. Studies should identify and use innovative approaches to remediate barriers to provision, receipt, and / or benefit from evidence-based practices (EBPs) and generate new information about factors integral to achieving equity in mental health outcomes for underserved populations. Research generating new information about factors causing / reducing disparities are strongly encouraged, including due consideration of the needs of individuals across the life span.

This FOA is published in parallel to a companion R34, [PAR-21-283](#), that supports pilot studies in preparation for the larger-scale studies described here.

Standard deadlines apply. Upcoming deadlines are October 5, 2021 and February 5, 2022.

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NIH: Genome Research Experiences to Attract Talented Undergraduates into the Genomics Field to Enhance

Diversity (R25 Clinical Trial Not Allowed) – Limited Submission Program

[Limited submission grant programs](#) are those that indicate a limit on the number of proposals that may be submitted by an institution for a particular deadline. A selection process becomes necessary if more applicants express interest in applying than NDSU is allowed to submit to the grant program.

NIH: Genome Research R25: [Notify RCA](#) by 9/15/2021, 5pm, if you are interested in submitting to this program.

The NIH Research Education Program (R25) [[RFA-HG-21-033](#)] supports research education activities in the mission areas of the NIH. The overarching goal of this National Human Genome Research Institute (NHGRI) R25 program is to support educational activities that encourage undergraduates from diverse backgrounds, including those from groups underrepresented in the biomedical workforce, to pursue further training and careers in the scientific, medical, ethical, social and / or legal areas of genomics research.

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

- Research Experiences
- Courses for Skills Development

This Genome Research Experiences to Attract Talented Undergraduates into the Genomic Field to Promote Diversity (GREAT) Program will support collaborative institutional partnerships that provide research education programs for undergraduates enrolled at minority-serving institutions (MSIs) or Institutional Development Award (IDeA)-eligible institutions. A partnership will include an MSI or IDeA-eligible institution, and one or more research-intensive institutions or organizations with a suitable research base for graduate-level training in scientific areas of interest to NHGRI.

LIMITED SUBMISSION: Only one application per institution is allowed.

North Central Sustainable Agriculture Research and Education (SARE) Grants

The North Central Region SARE (NCR-SARE) [Research and Education \(R&E\) Grant Program](#) is a competitive grant program for researchers and educators involved in projects that explore and promote environmentally sound, profitable, and socially responsible food and / or fiber systems. Research and Education grant awards range from \$10,000 to \$250,000, and projects may last up to 36 months or may choose to propose a long-term project.

Research and Education projects include a strong outreach component and significant farmer / rancher or other end-user involvement from the inception of the idea through the implementation of the project. Many projects are interdisciplinary and / or multi-institutional, involving a broad range of agricultural interests. Project coordinators in the past have explored sustainable agriculture under the following topics:

- sustainable pest and weed management;
- marketing and local food systems;
- water quality and nutrient management;
- systems research;
- high tunnels and season extension;
- crop diversification;
- cover crops and soil health;
- small ruminants / poultry / cattle;
- pastured livestock / grazing systems;
- pollinators and biodiversity; and
- urban agriculture.

Pre-proposal deadline: October 7, 2021

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NSF / NIH: Joint DMS / NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS / NIGMS)

The Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences (MPS) at the National Science Foundation (NSF) and the National Institute of General Medical Sciences (NIGMS) at the National Institutes of Health (NIH) plan to support fundamental research in mathematics and statistics necessary to

answer questions in the biological and biomedical sciences. Both agencies recognize the need to promote research at the interface between mathematical and life sciences. This program [[NSF 20-575](#)] is designed to encourage new collaborations, as well as to support innovative activities by existing teams.

The joint DMS / NIGMS initiative offers two submission tracks:

Track 1 - for projects with a total budget of up to \$600,000 and an award duration of 3 years;

Track 2 - for projects with a total budget of up to \$1,200,000 and award duration of 3-4 years.

Proposal window: September 1 – September 20, 2021



NSF DCL: Persons with Disabilities – STEM Engagement and Access (PWD-SEA)

With this [Dear Colleague Letter](#), the National Science Foundation (NSF) Directorate for Education and Human Resources (EHR), with leadership from the Division of Human Resource Development (HRD), seeks to increase the engagement of persons with disabilities in Science, Technology, Engineering, and Mathematics (STEM) fields and STEM education. Educating, preparing, and supporting persons with all types of disabilities, and of all ages, improves the skills of our nation's current and future STEM workforce, as well as improves the prospects for all Americans to learn, work, and contribute to U.S. leadership in science and engineering discovery and innovation. A wide range of disability types are recognized in this Dear Colleague Letter including, but not limited to, deafness or hearing loss; blindness or visual impairment; physical, mental health, medical or other health-related disabilities; and neurodiverse conditions (e.g., dyslexia, autism spectrum disorders, learning disabilities).

This Dear Colleague Letter particularly encourages submission of new proposals, or requests for supplemental funding to existing awards, to support existing or new access to and engagement in STEM learning, research, and workforce development at proposing or awardee organizations for students, postdoctoral scholars, or faculty and staff with disabilities. New proposals or supplemental funding requests to existing awards may also request support for the inclusion of persons with disabilities as participants. Proposers are encouraged to discuss new proposals, that will support access and engagement for

persons with disabilities in STEM, with the relevant program before submission. Prior to submitting a supplemental funding request, approval must be obtained from the cognizant NSF program director for the original award.

A full list of EHR programs encouraging the access and engagement of persons with disabilities in new proposals, and that will accept supplemental funding requests for existing awards, is available here: www.nsf.gov/ehr/PWDSEAPrograms.jsp.

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NSF DCL: Toward an Equitable National Cyberinfrastructure

The National Science Foundation (NSF), through its Campus Cyberinfrastructure (CC*) program ([NSF 21-528](#)), invests in coordinated campus-level networking and cyberinfrastructure improvements, innovation, integration, and engineering for science and engineering applications and distributed research projects. The purpose of this [Dear Colleague Letter \(DCL\)](#) is to encourage proposal submissions to CC* for projects that will help overcome disparities in cyber-connectivity associated with geographic location, and thereby enable the populations based in these locales to become more nationally competitive in science, technology, engineering, and mathematics (STEM) research and education. Institutions based in EPSCoR-eligible jurisdictions are especially encouraged to submit.

Deadline: October 11, 2021

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NSF: Broadening Participation in Engineering

NSF seeks to strengthen the future U.S. Engineering workforce by enabling the participation of all citizens through the support of research in the science of Broadening Participation in Engineering (BPE). The BPE program [[PD 19-7680](#)] is a dedicated to supporting the development of a diverse and well-prepared engineering workforce. BPE focuses on enhancing the diversity and inclusion of all underrepresented populations in engineering, including gender identity and expression, race and ethnicity (African Americans / Blacks, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders), disability, LGBTQ+, first generation college and socio-economic status.

BPE funds research to:

- understand and analyze the systemic barriers that prevent underrepresented groups from pursuing and succeeding in engineering, for example, understand the problem of insufficient interest and poorly sustained participation in engineering across underrepresented demographic groups; insufficient preparation and scarce opportunities for members of underrepresented groups to learn meaningful, relevant engineering content;
- 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. Activities must be supported by relevant data and have the capability to produce a model that can be replicated in other contexts;
- develop innovative methods and projects to aggressively recruit and retain tenure track faculty from underrepresented groups;
- design and transform culture to make diversity, equity, and inclusion a priority in the engineering enterprise.

Proposals accepted anytime

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NSF: Humans, Disasters, and the Built Environment

The Humans, Disasters and the Built Environment (HDBE) program [[PD 19-1638](#)] 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. The program's context is provided by ongoing and emerging changes in three interwoven elements of a community: its population, its built environment (critical infrastructures, physical and virtual spaces, and buildings and related structures) and the hazards and disasters to which it is exposed. The HDBE program seeks research that integrates these elements and that can contribute to theories that hold over a broad range of scales and conditions. Examples include but are not limited to unified frameworks and theoretical models that encompass non-hazard to extreme hazard and disaster conditions, theoretical and empirical studies that consider how interactions between a community's population and its built environment may suppress or amplify

hazard exposure or its effects, and studies that seek to inform scholarship through the development of shared data and related resources. In these and other areas funded through the HDBE program, research that challenges conventional wisdom on the interactions among humans, the built environment and hazards and disasters is particularly encouraged. Given the richness of the phenomena under study, the HDBE program seeks research that advances theories, methods and data within and across diverse disciplines, whether in engineering, the social sciences, computing or other relevant fields. Ultimately, research funded through this program is expected to inform how communities can cultivate and engage a broad range of physical, social and other resources to ensure improved quality of life for their inhabitants.

Proposals accepted anytime



NSF: Secure and Trustworthy Cyberspace Frontiers

The Secure and Trustworthy Cyberspace (SaTC) program welcomes proposals that address cybersecurity and privacy, and draw on expertise in one or more of these areas: computing, communication and information sciences; engineering; economics; education; mathematics; statistics; and social and behavioral sciences. Proposals that advance the field of cybersecurity and privacy within a single discipline or interdisciplinary efforts that span multiple disciplines are both encouraged.

Through this solicitation [[NSF 21-597](#)] NSF specifically seeks ambitious and potentially transformative **center-scale projects** in the area of cybersecurity and privacy that

1. catalyze far-reaching research explorations motivated by deep scientific questions or hard problems and / or by compelling applications and novel technologies that promise significant scientific and / or societal benefits, and
2. stimulate significant research and education outcomes that, through effective knowledge transfer mechanisms, promise scientific, economic and / or other societal benefits.

The SaTC Frontiers program will support proposals from \$5,000,000 to \$10,000,000 in total budget, with durations of up to five years.

Letter of intent deadline: September 7, 2021



Otto Bremer Trust: Social Return

The Otto Bremer Trust invests in projects that benefit communities in Minnesota, Montana, North Dakota, and Wisconsin. The Trust does not have specific strategic grant-making priorities, but does provide [broad categories](#) to explain the types of programs and services in which they invest. These include:

- **Community Asset Building:** This category covers a range of investments, including small business development, diversity initiatives, community planning, long-term housing programs, transportation, literacy, and adult education, all which are focused on building strong community assets.
- **Health and Wellbeing:** Examples include early education and parenting programs, community recreation, physical and mental health services, youth support and enrichment, post-secondary education and job skills.

Upcoming grant deadlines: October 7, December 2, February 10

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Simons Foundation: Collaborations in Mathematics and the Physical Sciences

The Simons Foundation's Mathematics and Physical Sciences (MPS) division invites applications for the [Simons Collaborations in MPS program](#). The aim of the program is to stimulate progress on fundamental scientific questions of major importance in mathematics, theoretical physics and theoretical computer science.

A Simons Collaboration in MPS should address a mathematical or theoretical topic of fundamental scientific importance, where a significant, new development creates a novel area for exploration or provides a new direction for progress in an established field. The questions addressed by the collaboration may be concrete or conceptual, but there should be little doubt that answering them would constitute a major scientific milestone. The project should have clearly defined initial activities and goals by which progress and success can be measured. The support from the foundation should be seen as critical for the objectives of the project.

The project should involve outstanding researchers in a range of career stages. Excellence of the scientific leadership is one of the main criteria in the selection process. The project

should be organized and managed in a manner engendering a high level of collaboration.

Letter of Intent deadline: October 6, 2021

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Spencer Foundation: Education Research Conference Grants

The [Conference Grant Program](#) provides support to scholars to organize small research conferences, focused symposia, or other forms of convenings around important issues in education research. This program is intended to bring together researchers, practitioners, policymakers, and other important collaborators whose expertise, substantive knowledge and practice, theoretical insight, or methodological expertise can be engaged in ways that help to build upon and advance education research. The Foundation encourages applicants to think creatively about how convenings can expand the substantive work and impact of educational research on advancing racial equity. This grant program supports proposals with budgets of \$50,000 or less.

The Foundation rotates the area of focus for this program annually to generate fresh ideas and perspectives on pressing educational challenges. **For this funding cycle Spencer will support conferences related to the topic of critical issues in advancing racial equity in education research.**

Upcoming Deadline: October 13, 2021

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Have questions, ideas, or suggestions for the RCA Update?

[Contact Us](#)



The Office of Research and Creative Activity (RCA) sends weekly emails to NDSU faculty and staff to provide current information on various topics including funding opportunities, grant program changes, research resources, deadlines, notices, and training.

You are receiving this notification through the NDSU official employee listserv or sub-list. The official listserv refreshes after each pay period.

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