

February 14, 2022

## Funding Opportunity Edition

### New Sign-in Credentials for Grants.gov, eRA Commons / ASSIST, GrantSolutions, JustGrants

**Beginning February 21, 2022, all non-federal Grants.gov users will be required to use [Login.gov](https://login.gov) credentials to access [Grants.gov](https://grants.gov).**

This change to the Grants.gov sign-in process improves user security and complies with [Executive Order 14028](https://www.federalregister.gov/documents/2021/01/28/2021-01-28-executive-order-14028), improving the nation's cybersecurity. Login.gov allows users to access multiple government websites, including Grants.gov, eRA Commons, GrantSolutions, and JustGrants with a single username and password.

To prepare for this transition and to link your Grants.gov account with Login.gov, you can follow this [three-step process](#):

1. Select the 'Login.gov' button on the Grants.gov [login](#) screen.
2. Complete the login process on Login.gov using your Login.gov username (an email address) and password, or create a Login.gov account.
3. You will then be directed back to Grants.gov to log in with your Grants.gov username and password. This will complete the account linking process.

Grants.gov will remove the username / password login option as of February 21, 2022.

The other agencies (**eRA Commons / ASSIST, GrantSolutions, JustGrants**) are phasing out their individual website login accounts and will be using only Login.gov.

## Webinar: Tools of the Trade - NIH

**February 24, 2022 | 11-11:45am**

The National Institutes of Health (NIH) is the largest federal grantmaker, investing close to \$40 billion annually in medical research. Learning how to navigate the NIH is key to achieving success. In this webinar, Hanover will explore the tools available to researchers as they consider submitting (or resubmitting) proposals to NIH.

Topics covered include:

- an overview of the Institutes and Centers at NIH;
- NIH Reporter, Matchmaker, and ART; and
- how to find the right study section.

[Learn more and register >>](#)

## NIH Other Support Policy and Format

The National Institutes of Health (NIH) Other Support policy requires applicants and recipients of NIH awards to provide full transparency and disclosure of all research activities and sources of support, financial interests and affiliations, both foreign and domestic. Other Support is sometimes referred to as “current and pending support,” and is intended to ensure that there is no scientific, budgetary or commitment overlap. Other Support includes in-kind contributions, consulting agreements where research is conducted, and resources or financial support from all foreign and domestic entities that are available to a researcher. NIH still requires recipients to report significant changes in Other Support for all existing senior / key personnel, as well as Other Support information for any new senior / key personnel being requested in the Research Performance Progress Report (RPPR). Additional information on Other Support can be found [here](#).

**Effective January 25, 2022, use of the new NIH Other Support format page is required.** The form and guidelines are located [here](#). This form must be electronically signed by all principal investigators and other senior / key personnel and submitted as a flattened PDF. NIH does not consider typed names to be electronic signatures and will not accept these.

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## FUNDING OPPORTUNITIES

- [DHS: Science & Technology Long Range BAA](#)
- [DoD: Defense University Research Instrumentation Program](#)
- [DoD: Multidisciplinary University Research Initiative](#)
- [DOE: Small Innovative Projects in Solar](#)
- [FDA: Alternatives to Antimicrobials in Food-Producing Animals](#)
- [NEH: Fellowships](#)
- [NIH NIMH: COVID-19 Mental Health Research](#)
- [NIH NOSI: Addressing Vaccine Hesitancy, Uptake, and Implementation in Health Disparity Populations](#)
- [North Central Region Sustainable Agriculture Research and Education Program](#)
- [NSF / DOE: Accelerating Innovations in Biomanufacturing Approaches](#)
- [NSF: Future Manufacturing](#)
- [NSF: Innovation Corps Hubs – LIMITED](#)
- [NSF: Petrology and Geochemistry](#)
- [NSF: Secure and Trustworthy Cyberspace](#)
- [NSF: Strengthening American Infrastructure](#)
- [Otto Bremer Trust: Social Return](#)
- [Pardee Foundation: Cancer Research](#)
- [USDA-NRCS: Partnerships for Climate-Smart Commodities](#)
- [USDA-NRCS: Soil Science Collaborative Research](#)
- [VentureWell: Course and Program Grants – LIMITED](#)

## 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 [ndsuhesearchdev@ndsuhesuhedu](mailto:ndsuhesearchdev@ndsuhesuhedu) by close of business on the notification deadline.

If you identify a limited submission opportunity that is not on the list below, please notify [ndsuhesearchdev@ndsuhesuhedu](mailto:ndsuhesearchdev@ndsuhesuhedu).

- [Breast Cancer Alliance: Exceptional Project Grants](#)  
*Notification Deadline: 02/15/2022*
- [USDA: Rural Health and Safety Education](#)  
*Notification Deadline: 02/16/2022*
- [NSF: I-Corps Hubs](#)  
*Notification Deadline: 02/23/2022*
- [VentureWell: Course & Program Grants](#)  
*Notification Deadline: 02/24/2022*
- [NIH: Research Experience in Genomic Research for Data Scientists](#)  
*Notification Deadline: 02/24/2022*
- [NIH: Asthma and Allergic Diseases Cooperative Research Centers](#)  
*Notification Deadline: 03/03/2022*

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 [ndsuhesearchdev@ndsuhesuhedu](mailto:ndsuhesearchdev@ndsuhesuhedu).

- [DOE: Partnerships in Nuclear Physics](#)  
*Deadline: 2/24/2022*
- [NIH: Outstanding New Environmental Scientist](#)  
*Deadline: 2/24/2022*
- [Graham Foundation: Architecture and the Designed Environment](#)  
*Deadline: 2/25/2022*

- [HRSA: Information Services to Rural Hospital Flexibility Recipients](#)  
*Deadline: 2/28/2022*
- [Retirement Research Foundation](#)  
*Deadline: 03/01/2022*
- [NSF: Community Facility Support - Synchrotron-based analytical capabilities advancing Earth and Environmental Sciences Research and Training](#)  
*Deadline: 3/4/2022*
- [HRSA: Enhancing Systems of Care for Children with Medical Complexity: Demonstration Projects / Coordinating Center](#)  
*Deadline: 3/7/2022*
- [NIH: Diabetes Research Centers](#)  
*Deadline: 3/8/2022*
- [HRSA: Rural Communities Opioid Response Program-Behavioral Health Care Technical Assistance](#)  
*Deadline: 3/9/2022*
- [HRSA: Rural Public Health Workforce Training Network Program](#)  
*Deadline: 3/18/2022*
- [NSF: Innovations in Graduate Education](#)  
*Deadline: 3/25/2022*
- [USDA: Women and Minorities in STEM Fields Program](#)  
*Deadline: 3/31/2022*
- [HRSA: Children and Youth with Special Health Care Needs Research Network](#)  
*Deadline: 4/4/2022*
- [NEA: Challenge America](#)  
*Deadline: 04/21/2022*
- [NIH: Collaborative Program Grant for Multidisciplinary Teams](#)  
*Deadline: 04/27/2022*
- [NSF: Research Visioning for CISE - Future Research Directions](#)  
*Deadline: 05/10/2022*

**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](mailto:ndsu.researchdev@ndsu.edu).

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## DHS: Science & Technology Long Range BAA

The Department of Homeland Security (DHS) [Science and Technology Directorate](#) (S&T) posted the annual release of the [Long Range Broad Agency Announcement](#) (LRBAA), an open invitation to the scientific and technical communities to propose novel ideas that address DHS Components' highest priority operational needs. The 2021 announcement includes 17 research and development topics, with the solutions enabling S&T to advance innovative scientific research, develop unique prototypes, and modify and assess mature technologies for homeland security missions.

The current 17 LRBAAs are categorized under six research and development (R&D) priority areas:

### SECURING AVIATION (SEC AVN)

- SEC AVN 04-08: Enhanced Contact and Non-Contact Trace Explosives Sampling and Detection (*updated*)
- SEC AVN 04-09: Checked Baggage (*new*)
- SEC AVN 04-10: Explosive and Ballistic Threat Mitigation for Commercial Aircraft, Aviation and Non-Aviation Applications (*new*)
- SEC AVN 05-02: Screening at Speed
- SEC AVN 06-05: Small Bulk Confirmatory Capabilities Through Barriers (*new*)

### SECURING BORDERS (SEC BORD)

- SEC BORD 01-01: Noninvasive, Minimally Disruptive Sensors and Systems
- SEC BORD 03-05: Air Based Technologies
- SEC BORD 03-06: Countering Unmanned Aircraft Systems (*updated*)
- SEC BORD 03-07: Maritime Domain Awareness Technologies

- SEC BORD 06-01: Biometric Technologies for Extending, Augmenting, or Improving DHS Identity and Verification Capabilities

#### **SECURING CYBERSPACE (SEC CYB)**

- SEC CYB 04-02: Mobile Security & Resiliency R&D

#### **PREVENTING TERRORISM (PREV)**

- PREV 01-02: Detection Canine Technologies (*updated*)
- PREV 04-03: Threat Prevention

#### **PROTECTING FROM TERRORIST ATTACKS (PROT)**

- PROT 03-02: Prevention, Diagnosis and Mitigation of Transboundary Agricultural Pests and Diseases

#### **MANAGING INCIDENTS (MGMT)**

- MGMT 01-02: Technology Acceptance
- MGMT 02-08: GMD and Nuclear EMP Critical Infrastructure Risk
- MGMT 08-04: Using Internet of Things (IoT) for Community and Infrastructure Resiliency Against All-Hazards (*new*)

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## **DoD: Defense University Research Instrumentation Program**

This [announcement](#) seeks proposals from universities to purchase equipment and instrumentation in support of research in areas of interest to the Department of Defense (DoD). DoD interests include the areas of research supported by the Army Research Office (ARO), the Office of Naval Research (ONR), and the Air Force Office of Scientific Research (AFOSR). A central purpose of the Defense University Research Instrumentation Program (DURIP) is to provide equipment and instrumentation to enhance research related education in areas of interest and priority to the DoD. Therefore, proposals must address the impact of the equipment or instrumentation on the institution's ability to educate students through research in disciplines important to DoD missions.

*Deadline: May 13, 2022*

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## **DoD: Multidisciplinary Research Program of the University Research Initiative**

The Department of Defense (DoD) Multidisciplinary University Research Initiative (MURI) [[N00014-22-S-F002](#)], one element of the University Research Initiative (URI), is sponsored by the DoD research offices. Those offices include the Office of Naval Research (ONR), the Army Research Office (ARO), and the Air Force Office of Scientific Research (AFOSR) (hereafter collectively referred to as "DoD agencies" or "DoD"). DoD's MURI program addresses high-risk basic research and attempts to understand or achieve something that has never been done before. Topics of interest include:

- integrated bio-hybrid actuators;
- ecology of the brain;
- dynamically tunable and enhanced thermal conductivity in polymeric materials;
- identifying fundamental properties of biological soft structures subjected to high hydrostatic pressure;
- excited state chemistry of preceramic polymers;
- fluid-(sub-) surface material interactions for passive flow control; and
- cognitive security.

For a full list of topic areas, see the [solicitation](#).

*Whitepaper deadline: May 16, 2022*

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## **DOE: Small Innovative Projects in Solar – Concentrating Solar Thermal Power and Photovoltaics**

This funding opportunity announcement (FOA) [[DE-FOA-0002606](#)] is being issued by the U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO) to invest in innovative research and development (R&D) that accelerates the large-scale development and deployment of solar technologies to support an equitable transition to a decarbonized electricity system by 2035 and decarbonized energy sector by 2050. Achieving this goal will support the nationwide effort to meet the threat of climate change and ensure that all Americans benefit from the transition to a clean energy economy.

This Small Innovative Projects in Solar (SIPS) FOA solicits seedling R&D projects for both



photovoltaic and concentrating solar thermal power technologies.

*Letter of Intent deadline: February 28, 2022*

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## **FDA: Alternatives to Antimicrobials for use in Food-Producing Animals**

The Food and Drug Administration (FDA) announces the availability of fiscal year (FY) 2022 funds to support studies that identify the most common drivers for antimicrobial use in animal agriculture and identify potential alternatives to antimicrobials that may reduce the need for antimicrobial use [[PAR-22-087](#)]. The funded studies are intended to

1. provide information about animal diseases that are the most significant drivers for antimicrobial use in various animal production settings for the four major food-producing species (i.e., cattle, swine, turkeys, and chickens), and
2. provide information about alternative practices that may help reduce the reliance on such drugs while addressing animal health needs. Such alternatives can include changes in husbandry, biosecurity, vaccination, and other practices.

*Letter of Intent deadline: March 1, 2022*

*Application deadline: April 1, 2022*

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## **NEH: Fellowships**

[NEH Fellowships](#) are competitive awards granted to individual scholars pursuing projects that embody exceptional research, rigorous analysis, and clear writing. Applications must clearly articulate a project's value to humanities scholars, general audiences, or both.

Fellowships provide recipients time to conduct research or to produce books, monographs, peer-reviewed articles, e-books, digital materials, translations with annotations or a critical apparatus, or critical editions resulting from previous research. Projects may be at any stage of development.

NEH invites research applications from scholars in all disciplines, and it encourages submissions from independent scholars and junior scholars.

Applicants interested in research projects that are either born digital or require mainly digital expression and digital publication are encouraged to apply instead for [NEH-Mellon Fellowships for Digital Publication](#).

*Deadline: April 13, 2022*

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## **NIH NIMH: Urgent Award: COVID-19 Mental Health Research (R01 Clinical Trial Optional)**

The National Institute of Mental Health (NIMH) is issuing this Funding Opportunity Announcement (FOA) [[PAR-22-113](#)] in response to the declared public health emergency issued by the Secretary, HHS, for 2019 Novel Coronavirus (COVID-19). See "[Determination that a Public Health Emergency Exists Nationwide as the Result of the 2019 Novel Coronavirus](#)" as renewed in "[Renewal of the Determination that a Public Health Emergency Exists Nationwide as the Result of the Continued Consequences of Coronavirus Disease 2019 \(COVID-19\) Pandemic](#)". This FOA aims to address urgent, time-sensitive mental health research questions related to COVID-19, including broader secondary impacts of the pandemic as well as research on the intersection of mental health, COVID-19, and HIV. Research supported will improve public health in the near term by informing responses to the current pandemic through

1. understanding mechanisms by which mental illness impacts SARS-CoV-2 morbidity and mortality,
2. exploring how COVID-19 contributes to incident mental illness or HIV-outcomes,
3. identifying modifiable targets uniquely or robustly implicated in the pandemic that are relevant to new and worsening mental illness, and
4. conducting mechanistic trials probing biological or behavioral processes of those targets that may be pursued in future mental health therapeutic development.

Research is anticipated to be informed by and directed towards vulnerable populations based on evidence of preexisting and worsened health disparities.

*Upcoming deadlines: April 25, 2022; August 25, 2022*

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## **NIH NOSI: Research to Address Vaccine Hesitancy, Uptake, and Implementation among Populations that Experience Health Disparities**

This Notice of Special Interest (NOSI) [[NOT-MD-22-006](#)] highlights the need for research on strategies, and interventions to address vaccine hesitancy, uptake, and implementation among populations who experience health disparities in the US and its territories. Research is needed to understand and address misinformation, distrust, and hesitancy regarding uptake of vaccines (e.g., SARS-CoV-2, pneumococcal, influenza, hepatitis B, human papilloma virus (HPV)) among adults in the United States and territories, especially in populations at increased risk for morbidity and mortality due to long-standing systemic health and social inequities and chronic medical conditions. This NOSI is focused on adults 18 years and older except for SARS-CoV-2 and HPV-related vaccine topics, which may include eligible children and adolescents. The purpose of this NOSI is to solicit research to:

1. evaluate community-engaged interventions (e.g., expand reach, increase access, address psychosocial barriers) to facilitate vaccination uptake in clinical and community contexts;
2. evaluate organizational, local, state, and federal policies and initiatives that mitigate or exacerbate disparities in vaccine access, uptake, and series completion, and
3. 3) understand and address barriers to increasing reach, access, and uptake of vaccinations among populations who experience health disparities.

*This notice expires January 8, 2023*

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## **North Central Region Sustainable Agriculture Research and Education Program**

The North Central Region Sustainable Agriculture Research and Education Program ([NCR-SARE](#)) has several open funding opportunities:

### **Professional Development Program Grants**

NCR-SARE's [Professional Development Program](#) (PDP) provides funds for professional development projects that provide sustainable agriculture training to agricultural professionals and educators in the Cooperative Extension Service (CES), Natural Resources

Conservation Service (NRCS), other governmental agencies, and educators in the profit and non-profit sector serving the food and fiber system. Anyone interested in the NCR-SARE Professional Development Program can join NCR-SARE for a zoom about applying for a Professional Development grant on February 24, 2022 at 1pm Central time. [Register](#) for the zoom online.

*Deadline: March 31, 2022*

### **Graduate Student Grant Proposals**

Graduate students enrolled at colleges or universities in the North Central region can [submit proposals](#) for up to \$15,000 to fund sustainable agriculture projects that will be part of their educational programs. Previously funded proposals have contributed to farmer or rancher profitability, environmental quality, and the enhancement of the quality of life of farmers or ranchers, their communities, and society as a whole. NCR-SARE strongly encourages students to involve farmers and ranchers in their Graduate Student Grant projects. Anyone interested in the NCR-SARE Graduate Student Grant Program can join NCR-SARE for a Zoom meeting about applying for a Graduate Student grant on February 17, 2022 at 1:30 p.m. Central time. [Register](#) for the zoom online.

*Deadline: April 7, 2022*

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## **NSF / DOE: Accelerating Innovations in Biomanufacturing Approaches through Collaboration Between NSF and the DOE BETO funded Agile BioFoundry (NSF-DOE/ABF Collaboration)**

The National Science Foundation (NSF) and the Department of Energy's Bioenergy Technologies Office (DOE BETO) recognize the critical roles that synthetic and engineering biology play in advancing the U.S. Bioeconomy. To translate advances in synthetic and engineering biology into products and processes that will impact the U.S. bioeconomy, there is a need to accelerate innovation and adopt new biomanufacturing approaches. The integrated Design-Build-Test-Learn (DBTL) capabilities of the DOE BETO funded Agile BioFoundry (ABF) offer a unique resource to the academic community to develop and implement innovative biodesign and biomanufacturing technologies and practices.

Proposals to this program [[NSF 22-549](#)] must leverage the unique DBTL capabilities available at the ABF to translate the latest advances in synthetic biology and engineering

biology basic research into testable prototype processes and products that are potentially scalable and manufacturable and can be appropriately validated. Of particular interest are proposals that both leverage the DBTL capabilities of the ABF to translate basic science into bioeconomy-relevant innovation and also lead to the development of generalizable rules or theories of biological systems that enhance our understanding of basic science.

Partnering with industry is encouraged.

*Deadline: April 4, 2022*

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## **NSF: Future Manufacturing**

The goal of Future Manufacturing [[NSF 22-568](#)] is to support fundamental research and education of a future workforce to overcome scientific, technological, educational, economic, and social barriers in order to catalyze new manufacturing capabilities that do not exist today. This solicitation seeks proposals to perform fundamental research to enable new manufacturing capabilities in one or more of these thrust areas:

- Future Cyber Manufacturing Research,
- Future Eco Manufacturing Research, and
- Future Biomanufacturing Research.

This solicitation will support the following two award tracks:

- **Future Manufacturing Research Grants (FMRG)** - up to \$3,000,000 for up to four years; and
- **Future Manufacturing Seed Grants (FMSG)** -up to \$500,000 for up to two years.

Interdisciplinary teams commensurate with the scope of the proposed research, education plan, and budget are required.

*Deadline: May 10, 2022*

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## **NSF: Innovation Corps Hubs Program (I-Corps Hubs) – 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.

**I-Corps Hubs : [Notify RCA](#) by 02/23/2022, 5:00pm if you are interested in submitting to this program.**

The I-Corps Hubs Program [[NSF 22-566](#)] will support proposals from former Nodes and Sites (Track 1) and institutions new to I-Corps (Track 2). I-Corps Hubs are consortia of institutions of higher education spanning distinct geographic regions with common goals and challenges to collaborate to provide entrepreneurial training to members of the scientific community (students, postdocs, faculty, and other researchers). These collaborating institutions participate in a **Hub** to achieve operational excellence and to facilitate interactions with stakeholders in their entrepreneurial and innovation ecosystem. Each Hub has a Lead institution to oversee operational management of the consortium and seven initial Partner institutions that contribute to the success of the Hub objectives, activities, and expected outcomes. A Lead institution may be a current or former I-Corps Node or Site (Track 1), or they may be entirely new to the I-Corps program (Track 2).

Hubs are required to add at least one New Partner Institution (NPI) annually. NPIs are institutions of higher education that seek to join an existing Hub. Funding for NPIs will be provided through supplemental funding. NPIs are expected to collaborate with the Hub and demonstrate that the proposed activities of the NPI are coordinated with the Hub's objectives and expected outcomes.

**LIMITED SUBMISSION:** Organizations only may be a participant (Lead or Partner) in one proposal per deadline identified in this solicitation. New Partner Institutions may only be named in one such supplemental funding request per deadline.

## NSF: Petrology and Geochemistry

The Petrology and Geochemistry Program [[NSF 22-560](#)] supports basic research on the formation of planet Earth, including its accretion, early differentiation, and subsequent petrologic and geochemical modification via igneous and metamorphic processes. Proposals in this program generally address the petrology and high-temperature geochemistry of igneous and metamorphic rocks and minerals (including mantle samples), mineral physics, economic geology, and volcanology. Proposals that are focused on the development of analytical tools, theoretical and computational models, and experimental techniques for applications by the igneous and metamorphic petrology, and high temperature geochemistry and geochronology communities are also invited. The program supports a wide range of Broader Impacts activities, including (but not limited to) infrastructure enhancement, partnerships with industry, and evidence-based practices that recruit and specifically retain individuals who historically have not been included in the geosciences.

*Full proposals accepted anytime*

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## NSF: Secure and Trustworthy Cyberspace

The Secure and Trustworthy Cyberspace (SaTC) program [[NSF 22-517](#)] welcomes proposals that address cybersecurity and privacy, drawing on expertise in one or more of these areas: computing, communication, and information sciences; engineering; education; mathematics; statistics; and social, behavioral, and economic sciences. Proposals that advance the field of cybersecurity and privacy within a single discipline or interdisciplinary efforts that span multiple disciplines are both welcome. Proposals must be submitted pursuant to one of the following designations, each of which may have additional restrictions and administrative obligations as specified in this program solicitation.

- CORE: This designation is the main focus of the multidisciplinary SaTC research program.
- EDU: The Education (EDU) designation is used to label proposals focusing on cybersecurity and privacy education and training.
- TTP: The Transition to Practice (TTP) designation will be used to label proposals that are focused exclusively on transitioning existing research results to practice.

CORE and TTP proposals may be submitted in one of the following project size classes:

- Small projects: up to \$600,000 in total budget, with durations of up to three years; and
- Medium projects: \$600,001 to \$1,200,000 in total budget, with durations of up to four years.

EDU proposals are limited to \$400,000 in total budget, with durations of up to three years. EDU proposals that demonstrate a collaboration, reflected in the PI, co-PI, and / or Senior Personnel composition, between a cybersecurity subject matter expert (researcher or practitioner) and an education researcher may request up to \$500,000 for three years.

*Full proposals are accepted anytime.*

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## **NSF: Strengthening American Infrastructure**

Strengthening American Infrastructure (SAI) [[NSF 22-564](#)] seeks to stimulate human-centered fundamental and potentially transformative research aimed at strengthening America's infrastructure. Effective infrastructure provides a strong foundation for socioeconomic vitality and broad quality of life improvement. Strong, reliable, and effective infrastructure spurs private-sector innovation, grows the economy, creates jobs, makes public-sector service provision more efficient, strengthens communities, promotes equal opportunity, protects the natural environment, enhances national security, and fuels American leadership. Achieving these objectives requires the integration of expertise from across all science and engineering disciplines. SAI focuses on how fundamental knowledge about human reasoning and decision-making, governance, and social and cultural processes enables the building and maintenance of effective infrastructure that improves lives and society and builds on advances in technology and engineering. Successful projects will represent a convergence of expertise in one or more Social, Behavioral, and Economic (SBE) sciences deeply integrated with other disciplines to support substantial and potentially pathbreaking, fundamental research applied to strengthening a specific and focal infrastructure.

*Deadline: May 5, 2022*

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## **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: April 14, June 16*

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## **Pardee Foundation: Cancer Research**

The [Elsa U. Pardee Foundation](#) funds research to investigators in United States non-profit institutions proposing research directed toward identifying new treatments or cures for cancer. The Foundation funds projects for a one year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. It is anticipated that this early stage funding by the Foundation may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure should be clearly identified. By design, there are no limits set on the grant amount that can be requested. It must be reasonably and clearly supported by the scope of the project outlined in the application.

*Deadline: April 30, 2022*

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## **USDA-NRCS: Partnerships for Climate-Smart Commodities - Building Markets and Investing in America's Climate-Smart Farmers, Ranchers & Forest Owners to Strengthen U.S. Rural and Agricultural Communities**

This funding opportunity [[USDA-NRCS-COMM-22-NOFO0001139](#)] will build markets and invest in America's climate-smart farmers, ranchers, and forest owners to strengthen U.S. rural and agricultural communities. Through the Partnerships for Climate-Smart Commodities, USDA will support the production and marketing of climate-smart commodities through a set of pilot projects that provide voluntary incentives through partners to producers and land owners, including early adopters, to:

- a. implement climate-smart production practices, activities, and systems on working lands,
- b. measure / quantify, monitor and verify the carbon and greenhouse gas (GHG) benefits associated with those practices, and
- c. develop markets and promote the resulting climate-smart commodities.

*Round one deadline: April 8, 2022*

*Round two deadline: May 27, 2022*

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## **USDA-NRCS: Soil Science Collaborative Research Proposals**

The Natural Resources Conservation Service (NRCS), an agency under the United States Department of Agriculture (USDA), is announcing the potential availability of [funding](#) for agreements for the purposes of:

- promoting research collaboration between the NRCS Soil and Plant Science Division (SPSD) and university cooperators on significant national issues;
- providing technology transfer and training for NRCS staff;
- assisting in training of students in soil science and related fields.

Proposals must be for projects based in the United States and its territories and possessions and focus on the following priorities:

- Soil Health and Dynamic Soil Properties;
- Novel Use of Legacy Data;
- Research Support for Dynamic Soil Survey;
- Soil Climate; and
- Mid-infrared Spectral Application Tools.

*Deadline: April 12, 2022*

## VentureWell Course and Program Grants – 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.

**Venturewell : Notify RCA by 02/24/2022, 5:00pm if you are interested in submitting to this program.**

VentureWell Course & Program Grants (formerly called “Faculty Grants”) of up to \$30,000 are awarded to faculty or staff at US higher education institutions to support curriculum that engages students in science and technology innovation and entrepreneurship. Course or program focus may include one of the following areas:

- general (science- and technology-based) entrepreneurship;
- sustainable technologies (new materials, clean tech, green energy and chemistry innovation);
- climate change solutions (technology to mitigate and / or adapt to climate change), especially technologies that support communities most impacted by climate change;
- biomedical and healthcare innovation;
- technologies that address poverty alleviation and basic human needs.

Successful course & program grant proposals will:

- Create or strengthen courses or programs that engage student teams in developing novel technology innovations with the end goal of pursuing scalable solutions to real world needs with social and / or environmental impact.
- Provide students with a meaningful experience, including opportunities for experiential learning and the formation of student teams that may be eligible to apply to VentureWell’s E-Team program.

- Set the stage for sustained institutional change. Schools that are just beginning to grow their I&E ecosystems are also encouraged to apply, and should describe the funded course or program as part of a larger plan for entrepreneurial ecosystem development.
- Articulate a plan for broadening participation among underrepresented groups (URGs). Proposals must provide a clear and specific plan to articulate how the course or program will increase participation of students and faculty from URGs in science and technology innovation and entrepreneurship.

**LIMITED SUBMISSION:** Only two proposals are accepted per institution per cycle.

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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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*We collectively acknowledge that we gather at NDSU, a land grant institution, on the traditional lands of the Oceti Sakowin (Dakota, Lakota, Nakoda) and Anishinaabe Peoples in addition to many diverse Indigenous Peoples still connected to these lands. We honor with gratitude Mother Earth and the Indigenous Peoples who have walked with her throughout generations. We will continue to learn how to live in unity with Mother Earth and build strong, mutually beneficial, trusting relationships with Indigenous Peoples of our region.*