Funding Opportunity Edition

Arts & Humanities Grant Sessions

The Office of Research and Creative Activity is hosting Jesse Johnston, PhD, an experienced grantmaker and advisor to researchers in the humanities and arts. As a senior program officer for preservation and access at the National Endowment for the Humanities (NEH), he advised hundreds of projects in higher education, libraries, archives, and community-focused cultural heritage organizations. Jesse also led NEH’s major initiative to support community archiving activities (from 2015 to 2017) and also coordinated programs that supported training in preservation and conservation for humanities collections.

Grants and Fellowships in the Arts & Humanities: Research Enhancement Opportunities and Strategies

**Wednesday, February 9, 2022 | 11:00-12:00**

This presentation will provide an overview of major types of funding available that can support and enhance arts and humanities research. Johnston will discuss tips for researching funding opportunities, planning projects and proposals, and an overview of the review and decision-making processes for awarding grants. Although specific in many ways to federal grants offered by the “cultural” agencies of the U.S. federal government—
namely the NEH, the NEA, and IMLS—the general approaches discussed here will also be informative to anyone aiming to learn about the grant process, planning to apply for grants, or currently preparing applications. An opportunity for Q&A will follow the presentation.

**Approaching Funding Opportunities at the NEH**

**Thursday, February 10, 2022 | 11:00-12:00**

Growing Convergence Research is one of NSF’s 10 Big Ideas. According to NSF: “The grand challenges of today -- protecting human health; understanding the food, energy, water nexus; exploring the universe at all scales -- will not be solved by one discipline alone. They require convergence: the merging of ideas, approaches and technologies from widely diverse fields of knowledge to stimulate innovation and discovery.” This session covers convergence research at NSF, including the concept of convergence research, programs and funding opportunities that require / encourage convergence research, and how to situate a proposal that includes convergence research. Interactive discussions will be utilized to generate research ideas that incorporate convergence research.

*Both sessions will be available both in-person and by Zoom. For in-person attendees, masks will be required.*

*Register to Participate >>*

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**FUNDING OPPORTUNITIES**

- Agriculture Genome to Phenome Initiative: Seed Grants
- Bush Foundation: Community Innovation Grants
- DARPA: Recycling at the Point of Disposal
- DoD ONR: STEM Education and Workforce
- Foundation for Women’s Wellness
- National Agricultural Producer Data Cooperative Convening Awards
- ND NASA EPSCoR Pre-Proposals
- NEH: Fellowships
- NIH NOSI: Research on Pain, Pain Management, and Opioids in Aging
- NIH: Advancing Integrated Models (AIM) of Care to Improve Maternal Health Outcomes among Women Who Experience Persistent Disparities
• NIH: Cancer Tissue Engineering Collaborative
• NSF: Boosting Research Ideas for Transformative and Equitable Advances in Engineering
• NSF: Expeditions in Computing
• NSF: Hydrologic Sciences
• NSF: Signals in the Soil
• NSF: Smart and Connected Communities
• RWJF: Culture of Health
• USDA-NRCS: Conservation Collaboration – North Dakota

**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 by close of business on the notification deadline.

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

- **NIH: Collaborative Program Grant for Multidisciplinary Teams**  
  *Notification Deadline: 02/02/2022*

- **NEA: Challenge America**  
  *Notification Deadline: 02/10/2022*

- **Breast Cancer Alliance: Exceptional Project Grants**  
  *Notification Deadline: 02/15/2022*

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 ndsu.researchdev@ndsu.edu.
• **NEA: Grants for Arts Programs**  
  *Deadline: 2/10/2022*

• **NSF: MPS-Ascend External Mentoring**  
  *Deadline: 2/15/2022*

• **DOE: Energy Frontier Research Centers**  
  *Deadline: 2/15/2022*

• **DOE: Partnerships in Nuclear Energy**  
  *Deadline: 2/17/2022*

• **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*
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.

Agriculture Genome to Phenome Initiative: Seed Grants

A major goal of the Agricultural Genome to Phenome Initiative (AG2PI) is to bring together agricultural scientists from multiple disciplines to work together in addressing shared challenges in genome-to-phenome research and related endeavors. To that end, they provide a seed grant program to foster first steps towards the development of community solutions to research needs and opportunities, as well as gaps in physical infrastructure and the data management pipeline.

This third round of the AG2PI seed grant program aims to fund around twelve (12) awards across three levels of support: Emerging (funds up to $50,000), Enabling (up to $75,000), and Establishing (up to $100,000). Applications will be due by 11:59pm CST on Tuesday, March 8. The anticipated start date for funded projects is June 1, 2022 and each project may be 6-12 months in duration. Further details regarding the request for proposals, application and review process can be found at the AG2PI website.

If you have any questions regarding the seed grants, please direct them to Nicole Scott at nmscott@iastate.edu.
Deadlines: March 8, 2022

**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.*

**DARPA: Recycling at the Point of Disposal**

The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is sponsoring an Information Session webcast to provide information to potential proposers on the objectives of the anticipated Recycling at the Point of Disposal (RPOD) Disruption Opportunity (DO). RPOD DO will evaluate the technical feasibility to recover (separate and coextract) multiple low volume fraction critical elements present in end-of-life electronic hardware (e-waste).

The Information Session will be held via prerecorded webcast on February 8, 2022 from...
12:00 PM to 1:00 PM Central. Advance registration is required for viewing the webcast.

Learn more and register >>

DoD ONR: Science, Technology, Engineering & Mathematics Education and Workforce Program
The Office of Naval Research (ONR) is interested in receiving a broad range of proposals for augmenting existing and/or developing innovative solutions that directly maintain, and/or cultivate a diverse, world-class Science, Technology, Engineering, and Mathematics (STEM) workforce to maintain the U.S. Navy and Marine Corps’ technological superiority [N00014-22S-F003]. The goal of proposed efforts must provide solutions that establish, build, and/or maintain STEM educational pathways of U.S. citizens directly relevant to the needs of Department of Navy’s (DON) current and future workforce. As the capacity of the DON Science and Technology (S&T) workforce is interconnected with the STEM education system, DON recognizes the need to support efforts that can jointly improve STEM student outcomes and align educational and outreach efforts with Naval S&T current and future workforce needs. This announcement explicitly encourages programs that improve the capacity of education systems and communities to create impactful STEM educational experiences for students of all ages and the naval related workforce. Programs must aim to increase engagement in naval relevant STEM, and enhance the corresponding skills, knowledge, and abilities of participants. ONR encourages applicants to utilize current STEM educational research for informing program design and advancing STEM careers and opportunities of naval relevance.

White Paper Inquiries and Questions due April 8, 2022
White Paper deadline April 15, 2022

Foundation for Women’s Wellness
The Foundation for Women’s Wellness (FWW) Research Awards target small, short-term studies with promise for improving medical care in leading women’s health concerns including cardiovascular disease, female cancers, the role of hormones in disease and stage-of-life health issues like pregnancy and menopause and diseases disproportionately
affecting women. We also fund studies on sex differences where gender or sex has been under examined.

*Deadline: April 25, 2022*

**National Agricultural Producer Data Cooperative Convening Awards**

The goal of the National Agricultural Producer Data Cooperative (NAPDC) is to develop a blueprint for a national data framework and cooperative where producers, universities, and not-for-profit entities can store and share data and develop powerful tools that enable producers to maximize their production and profitability.

The [NAPDC Convening Awards](#) opportunity is intended to enable national, regional, or domain-specific stakeholder groups to host meetings and encourage broad and diverse participation in developing a blueprint for a national agricultural producer data framework. We invite proposals that contribute to the development of the NAPDC by addressing the questions listed below (see Program Scope). We especially encourage projects that broaden interactions and seek to find synergies across cropping and livestock systems, communities, and organizational types, nationally or regionally.

*Brief proposals due February 28, 2022*

**ND NASA EPSCoR: Suborbital Flight Opportunity CAN Pre-Proposals**

In response to the FY 2022 [NASA Notice of Funding Opportunity (NOFO) EPSCoR Suborbital Flight Opportunity (SFO) Announcement Number: NNH22ZHA002C](#), the [North Dakota NASA EPSCoR](#) (Established Program to Stimulate Competitive Research) is soliciting pre-proposals from faculty at [affiliate institutions](#) specifically designed to promote and expand NASA research in North Dakota. Following preliminary proposal selection by ND NASA EPSCoR, the selected pre-proposal team will work directly with the ND NASA EPSCoR office to submit a full proposal to NASA via NSPIRES.
The full RFP, online submission form, and budget sheet can be found in the RFP announcement on the ND NASA EPSCoR website.

**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**

**NIH NOSI: Research on Pain, Pain Management, and Opioids in Aging**

The purpose of this Notice of Special Interest (NOSI) [NOT-AG-22-004] is to highlight that the National Institute on Aging (NIA) is interested in receiving grant applications focused on pain, pain management, and opioids related to aging or older adults and within NIA’s mission areas. This NOSI invites research applications that focus on improving the understanding of mechanisms underlying pain experience with aging; enhancing assessment, prevention, and management strategies for pain in older adults; and improving health equity of aging populations suffering with pain. New applications,
resubmissions, competing renewals, and competing revisions to existing awards are all encouraged through this NOSI.

This notice expires January 8, 2025

NIH: Advancing Integrated Models (AIM) of Care to Improve Maternal Health Outcomes among Women Who Experience Persistent Disparities

Persistent disparities in maternal health outcomes is a public health crisis that requires new insights and solutions. The purpose of this initiative, advancing integrated models (AIM) of care, is to support research to inform the development, implementation, and evaluation of integrated models of supportive care to prevent adverse maternal health outcomes among disproportionately impacted populations.

- R01 Clinical Trial Required: RFA-NR-22-002
- R21 Clinical Trial Optional: RFA-NR-22-003

Deadline: April 7, 2022

NIH: Cancer Tissue Engineering Collaborative - Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research (R01 Clinical Trial Optional)

This Funding Opportunity Announcement (FOA) [PAR-22-099] will support the development and characterization of state-of-the-art biomimetic tissue-engineered technologies for cancer research. Collaborative, multidisciplinary projects that engage the fields of regenerative medicine, tissue engineering, biomaterials, and bioengineering with cancer biology will be essential for generating novel experimental models that mimic cancer pathophysiology in the context of a testable cancer research hypothesis. The projects supported by this FOA will collectively participate in the Cancer Tissue Engineering Collaborative (TEC) Research Program.

The Cancer TEC Program will (1) catalyze the advancement of innovative, well
characterized in vitro and ex vivo systems available for cancer research, (2) expand the breadth of these systems to several cancer types, and (3) promote the exploration of cancer phenomena with biomimetic tissue-engineered systems.

Standard deadlines apply; upcoming deadline: June 5, 2022

NSF: Boosting Research Ideas for Transformative and Equitable Advances in Engineering (BRITE)

The goal of this solicitation [NSF 22-559] is to enable and create opportunities to advance scientific discoveries and new research using a variety of approaches that harness the national talent ecosystem of experienced faculty. Recognizing that a successful faculty research career is neither linear nor continuous, this BRITE solicitation seeks proposals that enable experienced researchers and scholars (tenured or equivalent) to forge new directions or to enter new fields by capitalizing or branching out of their established knowledge domains.

All BRITE proposals are expected to address fundamental research that creates new knowledge in one or more CMMI program areas. BRITE proposals must identify key research outcomes and describe the research plans for the period of funding sought. Although collaborative proposals are not permitted and will be returned without review, the PI can include a collaborator in a limited role as senior personnel. The solicitation includes four funding tracks: Synergy, Pivot, Relaunch, and Fellow in support of experienced scientists and engineers (tenured or equivalent).

- The BRITE Synergy Track is intended to support synthesis research borne out of a disaggregated and accumulated body of prior research outcomes that remain unstudied and unprobed to forge or conceptualize a novel direction, methodology, paradigm, or outcome that is more than the sum of the parts.
- The BRITE Pivot Track is intended to enable researchers to quickly adapt to the fast-moving pace of research and create new knowledge and research products in their field by infusing new concepts from a different discipline or sub-field.
- The BRITE Relaunch Track is intended to support tenured or equivalent faculty, who have had a pause in research activity, to relaunch back into active research, and to diversify the experiences of the nation’s STEM researchers.
- The BRITE Fellow Track is intended to support established tenured or equivalent researchers who have demonstrated impact beyond scientific output to request
extended time and freedom to use their intellectual creativity to explore divergent, bold, and ambitious research ideas where the expected scientific outcomes are highly uncertain and, therefore, high-risk.

Deadline: April 25, 2022

**NSF: Expeditions in Computing**

The National Science Foundation’s (NSF) Directorate for Computer and Information Science and Engineering (CISE) established the *Expeditions in Computing (Expeditions)* program [NSF 20-544](https://www.nsf.gov) to build on past successes and provide the CISE research and education community with the opportunity to pursue ambitious, fundamental research agendas that promise to define the future of computing and information.

In planning *Expeditions projects*, investigators are strongly encouraged to come together within or across departments or institutions to combine their creative talents in the identification of compelling, transformative research agendas that look ahead by at least a decade and promise disruptive innovations in computer and information science and engineering for many years to come.

Now funded at levels up to $15,000,000 for seven years, *Expeditions* projects represent some of the largest single investments currently made by the CISE directorate. Together with the Science and Technology Centers and the National Artificial Intelligence Research Institutes that CISE supports, *Expeditions* projects form the centerpiece of the directorate’s center-scale award portfolio. With awards funded at levels that promote the formation of large research teams, CISE recognizes that concurrent research advances in multiple fields or sub-fields are often necessary to stimulate deep and enduring outcomes. The awards made in this program will complement research areas supported by other CISE programs, which target particular computer and information science and engineering fields.

*Pre-proposal deadline: June 16, 2022*

**NSF: Hydrologic Sciences**
The Hydrologic Sciences Program [NSF 22-540] is a disciplinary program within the Division of Earth Sciences. Hydrologic science has a distinct focus on continental water processes at all scales, and the program supports research with a primary focus on these processes. The program supports fundamental research about water on and beneath the Earth’s surface, as well as relationships of water with material and living components of the environment. A major focus is the study of hydrologic processes (e.g., rainfall and runoff; infiltration and subsurface flow; evaporation and transpiration), as well as fluxes of water (e.g. in soils, aquifers, and streams). Many projects involve the study of hydrologic transport (e.g., of dissolved solutes, sediment), coupling of hydrological processes with other systems (e.g., ecosystem processes, geochemical cycles, food and energy systems, socio-ecological systems), or hydrologic responses to change (e.g., changes in land use, climate, or watershed management). Observational, experimental, theoretical, and modeling approaches are supported.

Proposals accepted anytime.

NSF: Signals in the Soil

The National Science Foundation (NSF), in collaboration with the US Department of Agriculture National Institute of Food and Agriculture (USDA NIFA), encourages convergent research that transforms existing capabilities in understanding dynamic soil processes, including soil formation, through advances in sensor systems and modeling. The Signals in the Soil (SitS) program [NSF 22-550] fosters collaboration among the two partner agencies and the researchers they support by combining resources and funding for the most innovative and high-impact projects that address their respective missions. To make transformative advances in our understanding of soils, multiple disciplines must converge to produce environmentally-benign novel sensing systems with multiple modalities that can adapt to different environments and collect and transmit data for a wide range of biological, chemical, and physical parameters. Effective integration of sensor data will be key for achieving a better understanding of signaling interactions among plants, animals, microbes, the soil matrix, and aqueous and gaseous components. New sensor networks have the potential to inform models in novel ways, to radically change how data is obtained from various natural and managed (both urban and rural) ecosystems, and to better inform the communities that directly rely on soils for sustenance and livelihood.
NSF: Smart and Connected Communities

The goal of the NSF Smart and Connected Communities (S&CC) program solicitation [NSF 22-529] is to accelerate the creation of the scientific and engineering foundations that will enable smart and connected communities to bring about new levels of economic opportunity and growth, safety and security, health and wellness, accessibility and inclusivity, and overall quality of life.

For the purposes of this solicitation, communities are defined as having geographically-delineated boundaries—such as towns, cities, counties, neighborhoods, community districts, rural areas, and tribal regions—consisting of various populations, with the structure and ability to engage in meaningful ways with proposed research activities. A “smart and connected community” is, in turn, defined as a community that synergistically integrates intelligent technologies with the natural and built environments, including infrastructure, to improve the social, economic, and environmental well-being of those who live, work, learn, or travel within it.

The S&CC program encourages researchers to work with community stakeholders to identify and define challenges they are facing, enabling those challenges to motivate use-inspired research questions. The S&CC program supports integrative research that addresses fundamental technological and social science dimensions of smart and connected communities and pilots solutions together with communities.

This S&CC solicitation will support research projects in the following categories:

- **S&CC Integrative Research Grants (SCC-IRG) Tracks 1 and 2.** Awards in this category will support fundamental integrative research that addresses technological and social science dimensions of smart and connected communities and pilots solutions together with communities. Track 1 proposals may request budgets ranging between $1,500,001 and $2,500,000, with durations of up to four years. Track 2 proposals may request budgets up to $1,500,000, with durations of up to three years.

- **S&CC Planning Grants (SCC-PG).** Awards in this category are for capacity building to prepare project teams to propose future well-developed SCC-IRG proposals.
Each of these awards will provide support for a period of one year and may be requested at a level not to exceed $150,000 for the total budget.

Proposals accepted anytime, until April 1, 2024

RWJF: Exploring the Future to Build a Culture of Health

The Robert Wood Johnson Foundation (RWJF) program "Pioneering Ideas: Exploring the Future to Build a Culture of Health" seeks proposals that are primed to influence health equity in the future. The Foundation is interested in ideas that address any of these four areas of focus:

1. Future of Evidence;
2. Future of Social Interaction;
3. Future of Food;

Additionally, the Foundation welcomes ideas that might fall outside of these four focus areas, but which offer unique approaches to advancing health equity and progress toward a Culture of Health.

USDA-NRCS: Conservation Collaboration – North Dakota

The Natural Resources Conservation Service (NRCS), an agency under the United States Department of Agriculture (USDA), is announcing potential availability of cooperative agreements for the purpose of leveraging NRCS resources, addressing local natural resource issues, encouraging collaboration and developing state- and community-level conservation leadership. Proposals will be accepted for projects located in North Dakota.

The purpose of Conservation Collaboration Cooperative Agreements is to leverage NRCS and partner resources to:

1. Improve soil health.
2. Improve landscape performance in dealing with water quantity issues; either excess or inadequate, and downstream impacts.
3. Improve water quality.
4. Improve habitat for local wildlife species of concern.
5. Improve the environmental and economic performance of working agricultural lands.
6. Assist communities and groups to build and strengthen local food projects that provide healthy food and economic opportunities.

Emphasis will be placed on projects that:
1. Build technical capacity to implement Farm Bill Conservation Programs.
2. Build technical capacity of NRCS and partner field conservation employees.
3. Build the capacity of local partners to develop and implement effective projects.
4. Leverage non-Federal and non-government resources to achieve positive natural resources conservation outcomes.

Deadline: March 22, 2022

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.

North Dakota State University does not discriminate on the basis of age, color, disability, gender expression/identity, genetic information, marital status, national origin, public assistance status, race, religion, sex, sexual orientation, or status as a U.S. veteran. Direct inquiries to: Equal Opportunity Specialist, Old Main 201, 701-231-7708 or Title IX/ADA Coordinator, Old Main 102, 701-231-6409.

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.