

September 26, 2022

NDSU researchers awarded NIH grant to study how socioeconomics and perceived control can affect dementia-related diseases

Jeremy Hamm and Katherine Duggan, both assistant professors of psychology at NDSU, have received a National Institutes of Health Research Project Grant (NIH R01) of \$1.6 million over four years. The researchers will be studying how the level of control an individual believes they have in their life (their perceived control) impacts their cognitive functioning and the risk of developing Alzheimer's disease and other related dementias. Given that the number of Americans affected by these types of dementias is predicted to triple over the next four decades, Hamm and Duggan's research hopes to provide insight into what modifiable factors can be targeted to reduce this impact on society.

"Everyone is declining in cognitive ability as they age, but it's occurring at different rates," said Hamm. "Our goal is to better understand modifiable factors linked to that decline and then develop methods to slow it, especially for those who are at risk of declining the fastest."

One promising psychological factor is the beliefs people hold about how much control they have over their exercise, sleep, health habits, and life more generally. While others

have studied how control beliefs may be linked to slower cognitive declines, Hamm and Duggan will look at it for the first time from a socioeconomic perspective.

They believe that perceived control is highly important, especially in cases where an individual's socioeconomic status can create added stressors and challenges that make it more difficult to maintain healthy habits and influence their lives more broadly.

"Maintaining a sense of control may be particularly important in those cases," said Hamm. "Our study will focus on how people from lower socioeconomic statuses could actually receive a greater benefit from an increased sense of control in their lives."

If they can determine such a relationship, the researchers then hope to discover methods that can be developed to modify the amount of perceived control a person's life.

Hamm and Duggan will also document the beliefs and behaviors that explain why perceived control is linked to better cognitive ability. They will focus on motivation, emotion, and health behaviors such as physical activity and sleep that are likely to account for why perceived control helps to preserve cognitive ability in old age.

In order to identify the motivations, emotions, and potential behavioral changes that may exist in middle-aged and older adults, Hamm and Duggan will conduct a study of 200 individuals from the Fargo-Moorhead area. "Participants will take part in a series of week-long studies that track their day-to-day feelings of control over their lives, their motivations, and their health behaviors," said Duggan. "We'll also use wearable activity monitors, which are worn like a digital watch and record details about all activity a person does, including how long and how intense the movement is."

By pairing the survey data with the daily measurements, Duggan hopes to be able to effectively assess daily sleep and physical activity. "By looking for connections among control and health habits, our research will be an important step towards developing methods that will move people to healthier lifestyles," she said.



NIH R01 grants support projects in areas representing the investigator's specific interest and competencies that relate to the mission of the NIH. Typically awarded to individuals in later stages of their research careers, earning one early is a noteworthy accomplishment by Hamm and Duggan.

“Congratulations to Dr. Hamm and Dr. Duggan for achieving this significant research milestone,” commented NDSU President David Cook. “Their work will help create new understanding about dementia-related diseases, which will help lessen the negative impact on people everywhere. This is a great example of the type of research an R1 institution delivers.”

Hamm will serve as PI on the study. Duggan; Jacqueline Mogle, assistant research professor at Pennsylvania State University; and Margie E. Lachman, professor of psychology at Brandeis University will serve as Co-PIs. The research program will also involve 16 undergraduate students over the four-year span, one graduate student, and one postdoctoral researcher for each year of the study.

For more information, see Perceived Control and Cognitive Aging: Pathways to Preserve Cognitive Functioning and Reduce Risk of Alzheimer’s Disease in Socioeconomically Diverse Populations (<https://reporter.nih.gov/search/sbGMi7LVGkKehq3tAzkf8w/project-details/10517595>)

Shelly Sandstrom Joins RCA as Award Intake Officer

RCA Sponsored Programs Administration (SPA) would like to welcome Shelly Sandstrom back to the team as the award intake officer. Shelly was the Program Assistant in SPA for 7+ years managing the award process, and most recently she had the opportunity to join Grant & Contract Accounting (GCA) as a Grant & Contract Officer. Shelly’s previous experience managing the award process, along with her GCA experience brings a unique perspective to our team.

What are export controls? How can export controls affect research at NDSU?

Export Controls are U.S. law statutes that regulate the exportation (distribution and sharing) to foreign nationals and foreign countries of strategically important technology, services and information for reasons of foreign policy, national security, trade agreements and to preserve US economic competitiveness even if they are located within the US. Export control laws apply to all activities – not just sponsored research projects. There are several scenarios that may require an export license including, but not limited to:

- a physical transfer / disclosure of an item outside the U.S.;
- any transfer / disclosure of a controlled item or information within the U.S. to a foreign national;
- participation of foreign national faculty, staff, or students in affected research;
- presentation / discussion of previously unpublished research at conferences or meetings where foreign national scholars may be in attendance;
- research collaborations with foreign nationals and technical exchange programs;
- transfers of research equipment abroad; and
- visits to your lab by foreign national scholars.

To learn more, contact the Export Controls Office (ndsuh.exportcontrols@ndsuh.edu). We will work with you to determine if an export license is needed and / or to establish a Technology Control Plan.

Novelution Expenditure Charts

Expenditure Charts are now available in the Grants and Contracts Module of Novelution. Users are able to search all active NDSU grant and contract awards and view high level budget and expenditure data at the overall award level as well as sub-project level. Expenditure Charts are user friendly and are a great tool for faculty and staff to quickly see budget and



spending levels on Grants and Contracts. The Expenditure Charts page contains the following information:

- **Donut Charts:** displaying total direct and indirect costs budgeted as well as total actuals spent to date
- **Line Graphs:** displaying monthly expenditure totals along with an ideal spending line
- **Bar charts:** that allow users to view budgeted and actuals spent to date by high level budget categories (personnel, operating, equipment, waivers/scholarships/fellowships, F&A) as well as the ability to view budgeted and actual spent by sub-projects, including subawards

Expenditure Charts can be accessed by clicking on “search charts” from the drop down menu and then using filters on the search page to narrow results. Once you have filtered to narrow the results, select the blue chart icon on the far right of the Search Results display box. This feature is also accessible in all active award records listed in a user’s “search projects” list. When in a record, click on the “View Charts” icon in the upper right corner of the record to open the “search charts” page.

Additional guidance on using the Expenditure Charts can be found on the RCA [Novelution webpage](#). Questions related to the Expenditure Charts can be directed to Amy Scott at (701) 231-8976 or send an email to ndsu.research@ndsu.edu.

Research Development & Grant Writing News: September Issue

The September issue of Research Development and Grant Writing News is now available to view. Use your NDSU login information to access this resource. Various topics are covered, including:

- Where Research Begins: Choosing A Research Project in the Humanities and Social Sciences
- NSF Webinar: Partnership to Advance Conservation Science and Practice
- New NSF Opportunities for Social Scientists
- Review Criteria Across Funding Agencies--What New Faculty Need to Know
- Editing, Revising, and Rewriting Your Proposal (Sept. 15, 2018 reprint)
- Preparing to Write Your Proposal (Sept. 15, 2018 reprint)
- Writing the Proposal (Sept. 15, 2018 reprint)



[Read September Issue >>](#)



Congratulations to all award recipients from June

View the complete list online: [PDF](#) | [Excel](#)

The awards listed are externally funded projects. Each month one of the RCA Updates will include prior month awards.

[See Award Reports from previous months >>](#)

National Endowment for the Humanities Proposal Writing Workshop

Wednesday, October 12, 2022; 12-1:30pm



NATIONAL ENDOWMENT
FOR THE HUMANITIES

Dr. Victoria Sams, NEH Division of Education Programs, and Dr. Geoff Burrows, NEH Division of Research Programs, will lead this virtual workshop on writing proposals to the National Endowment

for the Humanities (NEH). As a follow-up to NDSU's February 2022 session on funding opportunities in NEH/NEA, this event will provide more in-depth information on what makes for a competitive NEH

proposal. Examples of funded programs will be provided as well as tips for success with NEH funding.

[Learn more and register >>](#)

Notice of impact for grants.gov and ASSIST systems

Grants.gov is migrating their services to the cloud and there will be an extended downtime from **Thursday, September 22, 2022 at 11:00 pm to Thursday, September 29, 2022 at 11:00 pm**

This will impact grants.gov's workspace, the electronic submission system and NIH's electronic submission system, ASSIST. To mitigate the impact, NIH due dates that fall on or between Thursday, September 23 and Friday, September 30 will move to October 3, 2022.

Users will be able to work in ASSIST during this time, but submission is not possible. Grants.gov will not be available for proposal preparation or submission. We strongly encourage preparing and routing applications as early as possible to limit potential impacts as you will not be able to submit to these systems during this time.

[Learn more >>](#)

NSF programs to stop accepting proposals via FastLane

FastLane is scheduled to be removed as a submission option for NSF proposals in January 2023. Many programs have already stopped accepting proposals through FastLane, and others will stop accepting them over the remainder of 2022.



The transition from FastLane to Research.gov and Grants.gov is part of NSF's ongoing information technology modernization efforts. Since [NSF's update on Research.gov implementation in September 2020](#), NSF has been gradually removing FastLane as a submission option in program solicitations and descriptions.

Please [consult the tables in this document](#) (PDF) for additional information about the

transition to Research.gov, including dates when some programs will stop accepting proposals through FastLane. You can also check [program web pages](#) for information about which submission methods are accepted by each program and contact the program officers listed on those pages or email rgov@nsf.gov with any questions.

For tutorials and guidance on how to use Research.gov please visit the [Research.gov proposal preparation and submission resources site](#).

Upcoming Events

- **Webinar: Introduction to NSF's Directorate for Technology, Innovation, and Partnerships**
September 27, 2022; 1-2pm. [Register >>](#)
- **Virtual Networking Session: NSF EPSCoR Track 2 Program**
September 29, 2022; 12pm / [Learn more and register >>](#)
- **Successful Grant Writing: Leveraging Cross-Functional Teams to Support Competitive Proposals**
October 12, 2022; 2pm / This webinar is available from Innovation Education through [single sign-on](#).
- **NIH Grant Writing Webinar Series for Institutions Building Research and Research Training Capacity**
November 1; 1-2:15pm / [Learn more >>](#)
- **REGISTRATION OPEN: DARPA Forward Regional Events on National Security Innovation**
August-December, 2022 / [Learn more >>](#)
- **NSF Virtual Grants Conference**
November 14-17, 2022 / [Learn more >>](#)

RCA Funding Opportunities

Pilot Programs: Growing USDA Success

The Research and Creative Activity Office is seeking to grow our success in USDA grant proposals. To this end, we seek expressions of interest in two pilot programs:

- Planning a proposal to USDA-AFRI? [Learn more about the USDA-AFRI Preproposal Review Pilot Program.](#)
- Recently served on a USDA Review Panel? [Volunteer to be part of the USDA Expert Bank at NDSU.](#)

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.

Research Development Funding Agency Visit Travel Awards help defray expenses for faculty traveling to meeting with Program Officers / Program Directors at funding agencies. This program requires a 1:1 match from the applicant's department and / or college.

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

FUNDING OPPORTUNITIES

- [Dakota Community Collaborative on Translational Activity \(DaCCoTA\)](#)
- [DoD: Corrosion and Coatings](#)
- [EPA: Enhance Aquifer Recharge Performance and Potential Risk](#)

- [National Endowment for the Humanities](#)
- [ND EPSCoR: STEM Research and Education – NDSU specific](#)
- [NIH NOSI: Innovations in Healthy Longevity](#)
- [NIH: National Institute of Nursing Research \(NINR\)](#)
- [NIH: NIAID Investigator Initiated Program Project](#)
- [NIH: Resource-Related Research Projects for Development of Animal Models and Related Materials](#)
- [NSF DCL: Wildland Fire Science](#)
- [NSF: Cyberinfrastructure for Sustained Scientific Innovation](#)
- [NSF: Entrepreneurial Fellowships](#)
- [NSF: EPSCoR Track 2 – 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 ndsu.researchdev@ndsu.edu.

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

- [NSF: EPSCoR Research Infrastructure Improvement Program - Track 2 Focused EPSCoR Collaborations](#)
Notification Deadline: 10/10/2022
- [NSF: Partnerships for Innovation](#)
Notification Deadline: 10/20/2022
- [NSF: Training-based Workforce Development for Advanced Cyberinfrastructure](#)
Notification Deadline: 10/20/2022

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 ndsus.researchdev@ndsus.edu.

- [DOE: Industrial Efficiency and Decarbonization](#)
Deadline: 10/12/2022
- [NSF: INCLUDES](#)
Deadline: 10/25/2022
- [USDA: Increasing Land, Capital, and Market Access](#)
Deadline: 10/28/2022
- [NSF: Louis Stokes Alliances for Minority Participation - STEM Pathways Implementation-Only](#)
Deadline: 11/18/2022
- [NSF: Quantum Sensing Challenges for Transformational Advances in Quantum Systems \(QuSeC-TAQS\)](#)
Deadline: 12/16/2022
- [NIH: Collaborative Program Grant for Multidisciplinary Teams](#)
Notification Deadline: 01/27/2023
- [NSF: Scholarships in STEM \(S-STEM\) Program](#)
Notification Deadline: 02/20/2023

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 ndsus.researchdev@ndsus.edu.

**Dakota Community Collaborative on Translational Activity
(DaCCoTA)**

The goal of the DaCCoTA is to bring together researchers and clinicians with diverse experience from across the region to develop unique and innovative means of combating disease in North and South Dakota. The DaCCoTA believes advances in disease treatment will come from broad approaches by collective groups of clinical and basic researchers who are focused on conducting clinical / translational research.

- **Community Engagement Scholars Program** - This award is a joint effort between the Professional Development and Community Engagement and Outreach Cores with the goal of developing successful clinical and translational research (CTR) investigators.
- **DaCCoTA Scholars Program** - The purpose of this award is to stimulate the development of new CTR investigators.
- **Clinical Research Opportunities Program** - This program provides 20% release time (up to NIH cap) to community-practicing, hospital-based clinicians to allow for participation in training activities and collaboration in disease-focused CTR.
- **Introduction to Research Award** – This award is intended to allow non-faculty clinicians or early-stage investigators (ESIs; residents/postdoctoral scholars) to engage in research. This award aims to recruit a: 1) clinician from the American Indian Collaborative Rural Research Network (AICoRN) or rural and tribal communities; or 2) ESIs who have interest but no experience managing a research project or preparing a grant.
- **Feasibility Pilot Award** - The Feasibility Award is intended to provide support to allow a clinician/non-clinician team to form around a novel hypothesis.
- **Ready-to-Go Award** - The Ready-to-Go Award is intended for those projects with existing significant preliminary data in support of a novel hypothesis.
- **TREE Pilot Grant Award** – The Translating Epidemiology to Experiments (TREE) Pilot Grant Award is intended to provide seed funding for a public health / laboratory scientist team towards highly innovative projects that seek to translate promising epidemiological findings at the population level to relevant in vitro and / or in vivo experiments and / or the reverse, from in vitro and in vivo observations to a population setting.

[The full RFAs are available on the DaCCoTA website.](#)

Letter of Intent deadline: October 21, 2022

DoD: Corrosion and Coatings

The Naval Surface Warfare Center Carderock Division is interested in receiving proposals [[NSWCCD-22-0001](#)] for the following Basic Research Opportunity Areas:

1. Advanced Materials
2. Modeling and Analytics
3. Training and Product Support

This opportunity is open through September 13, 2023



EPA: Enhance Aquifer Recharge Performance and Potential Risk in Different Regional and Hydrogeologic Settings

The Environmental Protection Agency (EPA) is issuing this Request for Applications (RFA) [[EPA-G2022-STAR-J1](#)] to advance the scientific and technical foundation of Enhanced Aquifer Recharge (EAR). More specifically, research is requested to better understand fit for purpose and locally appropriate uses and risks of EAR using different source waters, with different end goals in diverse land use and hydrogeologic settings.

Research areas of interest:

1. Research on the effect of local subsurface geology and hydrology on EAR effectiveness for enhancing water quality and ensuring a safe supply of drinking water.
2. Research on the effect of source water (excluding oil and gas produced water) and the ability of sub-surface geology to degrade or attenuate conventional and emerging contaminants (including pathogens) that might be found in different sources of water.
3. Research on methods and technologies for monitoring and maintenance of EAR systems to improve and maintain performance and operational efficiency (both source water quality and quantity) and reduce potential environmental and public health risk.
4. Research on computational modeling and scientific visualization.

Deadline: November 9, 2022



National Endowment for the Humanities

The National Endowment for the Humanities (NEH) has a number of funding programs with upcoming deadlines, including those listed below.

To learn more about applying for funding from NEH, [register to participate](#) in a webinar with current NEH program officers on Wednesday, October 12; 12-1:30pm.

- [Collaborative Research](#)
Deadline: November 30, 2022
- [Public Scholars](#)
Deadline: November 30, 2022
- [Scholarly Editions and Scholarly Translations](#)
Deadline: November 30, 2022
- [Public Humanities Projects](#)
Deadline: January 11, 2023

See the full list of NEH opportunities [here](#).

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ND EPSCoR: STEM Research and Education – NDSU specific announcement

The ND EPSCoR State Office's mission is to support efforts of participating institutions of higher education across the state that result in increased STEM research capacity and competitiveness; a stronger STEM pathway that produces our next generation workforce, educators, and researchers; and an informed citizenry that values the STEM ecosystem and economy. Thus, the NDSU campus of ND EPSCoR is now accepting proposals to fund STEM activities. For details, see the [Request for Proposals](#).

See all ND EPSCoR opportunities [here](#).

Deadline: October 27, 2022; 12pm (noon)

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NIH NOSI: Innovations in Healthy Longevity Research

This Notice of Special Interest (NOSI) [[NOT-AG-22-030](#)] invites applications for small research grants that align with the goals of the National Academy of Medicine's [Healthy Longevity Grand Challenge](#), as well as the National Institute on Aging's (NIA) interests in supporting research to promote a long healthspan and functional independence in both aging and Alzheimer's disease and Alzheimer's disease-related dementias (AD/ADRD).

NIA is interested in projects that reflect its mission to support research on aging, the aging process, and diseases and conditions associated with growing older, including AD/ADRD. Applications that reflect NIA's programmatic interests in genetic, biological, clinical, epidemiological, neuroscience, behavioral, social, and economic research on aging as they relate to healthy longevity are encouraged. Projects should inform the overall mission of the Healthy Longevity Global Grand Challenge and include bold, new, and innovative ideas to extend health and function as people age.

This NOSI expires May 8, 2023

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NIH: National Institute of Nursing Research (NINR) Areas of Emphasis for Research to Optimize Health and Advance Health Equity

These funding announcements solicit applications that propose projects that are consistent with the scientific framework detailed in the [2022-2026 National Institute of Nursing Research \(NINR\) Strategic Plan](#). This research will be rooted in nursing's holistic, contextualized approach to understanding people and their health, address the nation's most pressing and persistent health challenges with a solutions orientation, and employ innovative and rigorous study designs to inform practice and policy.

- R01 [[PAR-22-230](#)]
- R21 [[PAR-22-231](#)]

Upcoming deadlines in November 2022 and February 2023

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NIH: NIAID Investigator Initiated Program Project Applications (P01 Clinical Trial Not Allowed)

This Funding Opportunity Announcement (FOA) [[PAR-22-225](#)] invites submission of investigator-initiated Program Project (P01) applications. The proposed programs should address scientific areas relevant to the NIAID mission including: biology and pathogenesis of infectious microbes, including HIV; host-microbe interactions; mechanisms regulating immune system development and function across the lifespan, and in response to infectious pathogens; immune dysfunction resulting in allergy, asthma, autoimmunity, immunodeficiency, or transplant rejection; and translational research to develop vaccines, therapeutics, and diagnostics to prevent and treat infectious and immune-mediated diseases. Each P01 application submitted to this FOA must include at least two related, synergistic research projects that share a common central theme, focus, and/or overall objective; and an administrative core. A P01 may include scientific cores, if needed for the proposed research.

Upcoming deadlines: January 11, 2023; June 8, 2023

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NIH: Resource-Related Research Projects for Development of Animal Models and Related Materials (R24 Clinical Trials Not Allowed)

The Office of Research Infrastructure Programs ([ORIP](#)) encourages grant applications aimed at developing, characterizing or improving animal models of human diseases; improving access to information about or generated from the use of animal models of human disease; or improving diagnosis and control of diseases of laboratory animals. The animal models, related materials, or technological tools developed must be broadly applicable to the scientific interests of two or more NIH Institutes or Centers (ICs) and must evaluate diseases and processes that impact multiple organ systems in order to align with the [ORIP's NIH-wide mission](#) and programs. Applications must describe the need for and the potential impact of the proposed resources on the research community across a range of scientific disciplines supported by multiple NIH ICs. Applications to develop models that relate strictly to a specific disease or a select area of research or that do not have a broad impact on the NIH-wide research community will not be considered

acceptable. Projects that predominantly address the research interests of one NIH IC but are only peripherally related to the research interests of other ICs will also not be acceptable for this funding opportunity announcement (FOA) [[RFA-OD-22-013](#)].

Upcoming deadlines: October 13, 2022; January 25, 2023; May 25, 2023

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NSF DCL: Wildland Fire Science

With this Dear Colleague Letter (DCL) [[NSF 22-122](#)], NSF is calling for planning proposals focused on catalyzing innovative and inclusive wildland fire science through collaboration among diverse stakeholders and rights holders. A planning proposal is a type of proposal used to support initial conceptualization, planning and collaboration activities that aim to formulate new and sound plans for large-scale projects in current and emerging research areas for future submission to an NSF program.

In the context of this DCL, planning proposals should present innovative ideas and visions for advancing wildland fire research *via* diverse knowledge systems, including strategies for building human capital and organizational capacity in wildland fire knowledge and management. Identification of activities to catalyze strong collaborations that have high potential for significant societal impacts are encouraged. It would also be advantageous for proposals to articulate action plans for developing a deeper understanding of wildland fires as integrated social-cultural-ecological-technological systems and that improve education across multiple levels, in informal settings and / or formal settings, spanning pre-college through postsecondary levels. Proposals that describe translation of foundational knowledge about wildland fire into helpful solutions are also encouraged.

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NSF: Cyberinfrastructure for Sustained Scientific Innovation

The Cyberinfrastructure for Sustained Scientific Innovation (CSSI) program [[NSF 22-632](#)] seeks to enable funding opportunities that are flexible and responsive to the evolving and emerging needs in cyberinfrastructure (CI). The program continues to emphasize integrated CI services, quantitative metrics with targets for delivery and usage of these services, and community creation.

The CSSI program anticipates three classes of awards:

- **Elements:** These awards target small groups that will create and deploy robust services for which there is a demonstrated need, and that will advance one or more significant areas of science and engineering.
- **Framework Implementations:** These awards target larger, interdisciplinary teams organized around the development and application of services aimed at solving common research problems faced by NSF researchers in one or more areas of science and engineering, and resulting in a sustainable community framework providing CI services to a diverse community or communities.
- **Transition to Sustainability:** These awards target groups who would like to execute a well-defined sustainability plan for existing CI with demonstrated impact in one or more areas of science and engineering supported by NSF. The sustainability plan should enable new avenues of support for the long-term sustained impact of the CI.

Prospective PIs should be aware that this is a multi-directorate activity and that they are encouraged to submit proposals with broad, interdisciplinary interests.

Finally, **it is strongly recommended that prospective PIs contact program officer(s)** from the list of Cognizant Program Officers in the division(s) that typically support the scientists and engineers who would make use of the proposed work, to gain insight into the priorities for the relevant areas of science and engineering to which their proposals should be responsive.

Deadline: December 16, 2022



NSF: Entrepreneurial Fellowships

The U.S. National Science Foundation announced a new \$20 million investment in Entrepreneurial Fellowships through a multi-year cooperative agreement with [Activate.org](https://www.activate.org). The Activate Fellows supported by NSF will be scientists and engineers from a variety of backgrounds and regions across the U.S. who will translate research breakthroughs to new products and services with broad societal benefits.

The initiative includes three possible pathways for scientists and engineers to participate:

- **Activate Anywhere** — A connected, yet not co-located, community of fellows that allows for any qualified scientist anywhere in the country to benefit from Activate fellowship support and leverage the concentrated resources of traditional innovation centers where Activate has in-residence offerings.
- **A New Activate In-residence Community** — A new in-person location that expands physical communities beyond Activate's existing locations ensuring that a regional hub exists for any fellow across the country who wants to be in-residence, and to strengthen the national base of resources that any fellow across the network can leverage.
- **Pre-doctoral Translational Research Experience** — A new mechanism aimed at expanding opportunities for diverse talent and overcoming racial imbalance in the science innovation ecosystem by supporting pre-doctoral scientists and engineers and exposing them to nascent science-based startups under the mentorship of Activate's network.

To learn more about Entrepreneurial Fellowships including how to apply, visit <https://www.activate.org/apply>.

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NSF: EPSCoR Research Infrastructure Improvement Program - Track 2 Focused EPSCoR Collaborations (RII Track-2 FEC) – 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.

NSF EPSCoR Track 2 : Notify RCA by October 10, 5:00p.m., if you are interested in submitting to this program.

An informal networking session to facilitate discussion between interested faculty will be held Thursday, September 27, 12pm, via Zoom. Register here to participate

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NSF EPSCoR RII Track-2 FEC [[NSF 22-633](#)] builds interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. Projects are investigator-driven and must include at least two collaborators (specifically as PI or co-PI) who are from an organization in a different [RII-eligible jurisdiction](#). These collaborators should have complementary expertise and resources necessary to tackle the proposed project which neither party could address as well or rapidly alone. The Science, Technology, Engineering, and Mathematics (STEM) research and education activities should seek to broaden participation through the strategic inclusion and integration of different types of individuals, institutions, and sectors throughout the project. Proposals must describe a comprehensive and integrated vision to drive discovery and build sustainable STEM capacity that exemplifies diversity of all types (individual, institutional, geographic, and disciplinary). The development of diverse early-career faculty is a critical component of this sustainable STEM capacity. Each participating EPSCoR jurisdiction must have at least one co-PI on the project.

For FY 2023 / FY2024, the topical focus area of RII Track-2 FEC is: “advancing climate change research and resilience capacity to expand opportunities for disproportionately affected communities.”

LIMITED SUBMISSION: An organization may serve as lead on one proposal, either as the lead on a single proposal with subawards, or as the lead on a set of separately submitted collaborative proposals. An organization may serve as a non-lead on any number of additional proposals.

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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.

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.