

NDSU OFFICE OF
RESEARCH AND CREATIVE ACTIVITY

RCA UPDATE

April 15, 2024

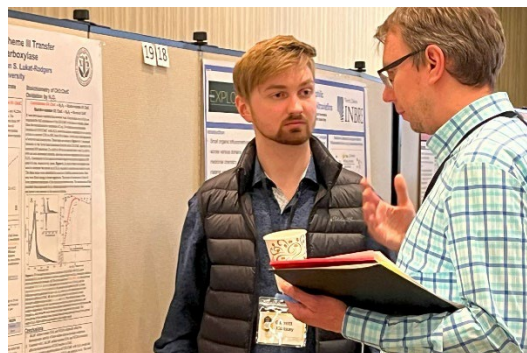
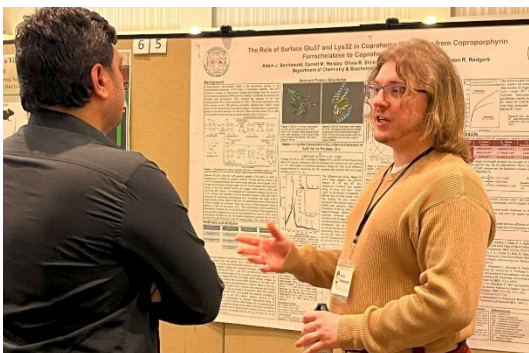
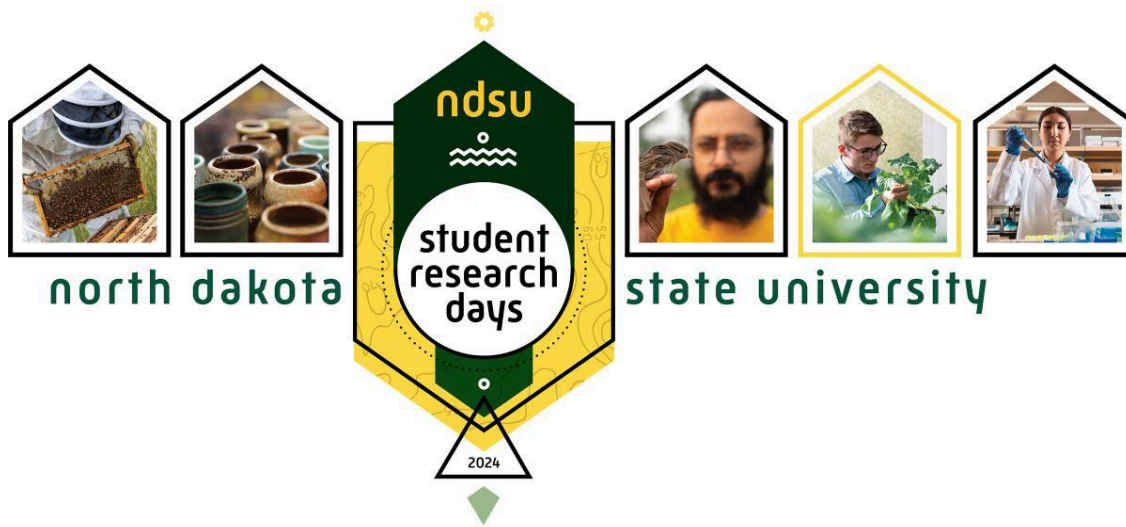
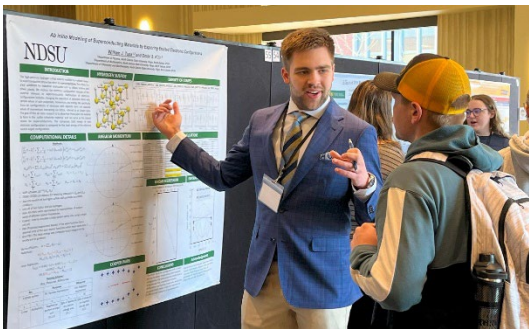
Student Research Days 2024 features work of more than 200 NDSU students

NDSU Student Research Days is a two-day event dedicated to providing NDSU graduate and undergraduate students an opportunity to present their research and creative works. The event was held on April 9 and 10. Top student presentations were awarded in both oral and poster presentations.

The event featured 66 undergraduate and 137 graduate student presentations from disciplines across campus. Awards were given in both undergraduate and graduate categories recognizing the best oral and poster presentations in each group. More than 78 NDSU faculty and staff members served as evaluators.

The event is a collaboration among the NDSU Office of Research and Creative Activity, Gamma Sigma Delta, and the Graduate Student Council.

[Complete list of award winners >>](#)



[View more Student Research Days photos >>](#)

NDSU and partners receive \$50 million AgTech research funding



NDSU recently hosted U.S. Senator John Hoeven and a group of agriculture partners on campus to recognize \$50 million of federal funding targeted at agricultural endeavors in the state.

The funding will cover a wide range of initiatives including NDSU's agriculture policy research center (funded through the USDA Economic Research Service) and the AgTech Cooperative Agreement between Grand Farm, NDSU and the U.S. Department of Agriculture Agricultural Research Service (ARS) to enhance the precision agriculture research (funded through the ARS).

"There's a lot of tech in agriculture right now," said Colleen Fitzgerald, vice president for research and creative activity at NDSU, "But NDSU is putting the 'ag' in technology." Fitzgerald said that a key result of the research projects will be economic and that the initiatives will put money right back into the pockets of North Dakota farmers and ranchers.

[Read full story >>](#)



Sparking **Big Ideas**

REQUEST FOR PROPOSALS: RCA Sparking Big Ideas Research Seed projects

The Office of the Vice President for Research and Creative Activity (RCA) Research Seed projects are intended to support ideas that pursue innovative, ambitious solutions to impactful research questions that fit within NDSU's [strategic priorities](#) or align with prior and/or existing research investments at NDSU.

The purpose is to support teams to advance ideas for the development of competitive proposals in pursuit of significant external funding.

The seed projects can request up to \$100,000 for a project period of approximately one year, with the goal of a submission of a large-scale proposal to an external funder within six months of the seed project end date.

The deadline for proposals is May 15, 2024.

[Learn more and apply >>](#)

**REQUEST FOR PROPOSALS:
Bison Arts and Humanities Fund now available**

The Vice President for Research and Creative Activity has created a program to stimulate new research and creative endeavors in the humanities and the arts: the Bison Arts and Humanities Fund.

The arts and humanities are vital to the human condition, with importance for civic engagement, cross-cultural understanding, and the development of critical and creative thinking skills.

Faculty are encouraged to submit a proposal for up to \$5,000 that can be used for early-to late-stage humanities or arts projects. Emphasis for funding will be on projects that directly support career progression and projects with strong potential to bring positive national attention to NDSU faculty and/or which can be leveraged for future funding are especially of interest.

Available funding

Proposals can be up to \$5,000 in direct costs only, no indirect costs will be allowed.

Eligibility

Tenure-track or tenured faculty whose home department focuses on the visual or performing arts, design, humanities, or relevant social sciences disciplines which represent “those aspects of social sciences which have humanistic content and employ humanistic methods” (as defined by the National Endowment for the Humanities [authorizing language](#)).

[Learn more and apply >>](#)

FARMS is hiring:
Project Data Coordinator and Project Coordinator

Project Data Coordinator

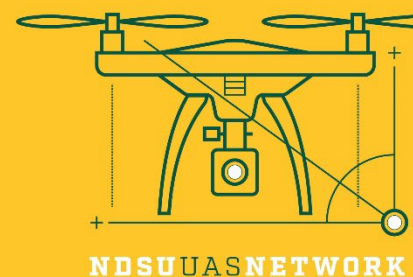
Reporting to the Business and Operations Manager, this position will have a key role in coordinating data collection, report generation, the management of Engine activity data, as well as the systems and tools used for the process. Candidates should be highly detail and timeline oriented, with strong data collection and management experience.



Project Coordinator

Reporting to the CEO, this position will have a key role in coordinating administrative operations and assisting in the implementation of a business operations plan for the NSF Cooperative Agreement and overall FARMS operations. This position requires excellent project management and communication skills. Candidates should be highly detail and timeline oriented, with strong budgeting and operations experience.

[Learn more and apply >>](#)



Join the NDSU UAS Network

Inspired by robots, drones, autonomous systems and artificial intelligence for your research? Your talent is needed! Join the NDSU UAS Network, where cutting-edge

technology meets collaborative excellence.

The NDSU UAS Network is a collaborative community organized by NDSU Associate Professor and RCA UAS Faculty Fellow Rex Sun. Its goal is to gather individuals who are interested in uncrewed autonomous systems (UAS), artificial intelligence (AI), and cutting-edge technology to enrich innovation, research, and interdisciplinary collaboration.

[Join the NDSU UAS Network >>](#)

NSF Dear Colleague Letter

Enhancing STEM Education, Research Capacity, and Workforce Development in Established Program to Stimulate Competitive Research (EPSCoR) Jurisdictions



In alignment with the CHIPS and Science Act of 2022, [the U.S. National Science Foundation's Directorate for STEM Education \(EDU\)](#) affirms its commitment to support science, technology, engineering, and mathematics (STEM) education, research capacity, workforce development, and professional development within institutions in Established Program to Stimulate Competitive Research (EPSCoR) eligible jurisdictions.

Through this Dear Colleague Letter (DCL), EDU encourages new proposal submissions to EDU programs and supplemental funding requests to existing EDU awards led by institutions in the 28 EPSCoR jurisdictions (see list below). In order to achieve this, EDU seeks increased accessibility to the ideas, opportunities, and tools of STEM education and research for students, educators, researchers, communities at all levels and in all settings (both formal and informal), and by the public in EPSCoR jurisdictions, which historically receive less STEM education funding than other regions of the country.

[Read complete Letter >>](#)

National Science Foundation TIP News

Latest news from the NSF's The Directorate for Technology, Innovation and Partnerships (TIP).



- [NSF invests \\$7 million to expand advanced wireless testing capabilities, propel O-RAN ecosystem innovation and growth](#)
- [NSF and NobleReach Emerge select 11 projects to speed biotechnology development and translation](#)
- [Joda Thongnopnua joins TIP Directorate's leadership team](#)
- [New \\$40M funding opportunity seeks to accelerate the adoption of cell-free systems for biochemical applications](#)

About NSF TIP

The NSF's Directorate for Technology, Innovation and Partnerships (TIP) harnesses the nation's vast and diverse talent pool to accelerate critical and emerging technologies and address pressing societal and economic challenges.

TIP comprises three primary focus areas – fostering innovation and technology ecosystems, establishing translation pathways, and partnering across sectors to improve U.S. competitiveness, grow the U.S. economy and engage and train a diverse workforce for future, high-wage jobs.

NSF Proposal & Award Policies & Procedures Guide revised

The National Science Foundation (NSF) has announced that a revised version of the **NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 24-1)** has been issued. The new PAPPG will be effective for proposals submitted or due on or after May 20, 2024. While this version of the PAPPG becomes effective on May 20, 2024, in the interim, the guidelines contained in the current **PAPPG (NSF 23-1)** continue to apply.



Through May 20, each issue of the RCA Update will highlight a new NSF PAPPG feature or change.

Changes to NSF Proposal Guide: Current and Pending Support

Effective May 20, 2024

The new Proposal and Award Policies and Procedures Guide (**PAPPG 24-1**) from the National Science Foundation (NSF) will take effect on May 20, 2024. Among the changes introduced in the new PAPPG, **NSF will now implement use of the current and pending support common form**. It is required that applicants use **SciENCv** to develop their current and pending support form.

- [Learn more about the new current and pending support format >>](#)
- [Read a summary of all changes introduced in PAPPG 24-1 >>](#)

Webinar replay

The recording for the Updates to the NSF Proposal and Award Policies and Procedures Guide (PAPPG) (NSF 24-1) webinar held on March 12, 2024, is now available on-demand in the [Resource Center](#) and on [YouTube](#).

Changes to Guidance for NIH Resubmission Applications

Beginning May 25, 2024, new guidance for NIH resubmission applications will be in effect. Specifically, the use of markups such as bracketing, indenting, highlighting, bolding, italicizing, underlining, margin lines, change in typography, font, or font color, or any other type of markup should not be used to identify changes in Resubmission applications. Changes made to a Resubmission application should only be outlined in the Introduction attachment.



National Institutes
of Health

See the Notice [[NOT-OD-24-061](#)] for more information >>



U.S. DEPARTMENT OF
ENERGY

Department of Energy Office Hours

The U.S. Department of Energy (DOE) [Office of Science](#) (SC) is the nation's largest supporter of basic research in the physical sciences, the steward of 10 national laboratories, and the lead federal agency supporting fundamental research for energy production and security.

The DOE's monthly virtual office hours are opportunities to share information and ask questions about the six research programs and two research and development and production offices. Researchers at all institutions are welcome to attend and learn more about the programs; no existing relationship with DOE or the DOE

national laboratories is required to attend. Research administrators are also encouraged to attend.

Office hours will take place on the schedule below for each program office. Topics will vary each month. The office hour will be in the form of a zoom meeting, starting with a brief presentation on the monthly topic, followed by questions. Program managers will be available to answer questions from the community. **Click on the topic below to register for one of the office hours.**

Advanced Scientific Computing Research (ASCR)

ASCR will hold virtual office hours on the second Tuesday of the month, 1-2 pm. Upcoming topics include:

- May 14, 2024, at 1 pm – [Introduction to ASCR's Applied Mathematics research program](#)
- For more information on ASCR office hours, visit <https://science.osti.gov/ascr/officehours>

Basic Energy Sciences (BES)

BES will hold virtual office hours on the third Thursday of the month, 1-2 pm. Upcoming topics include:

- Thursday, April 18, 2024, at 1 pm – [Introduction to BES Scientific User Facilities Division – Capabilities and Access](#)
- Thursday, May 16, 2024, at 1 pm – [Introduction to BES Chemical Sciences, Geosciences, and Biosciences Division - Organization, priorities, and funding opportunities](#)
- For more information on BES office hours, visit <https://science.osti.gov/bes/officehours>

Biological and Environmental Research (BER)

BER will hold virtual office hours on the fourth Tuesday of the month, 1-2 pm. Upcoming topics include:

- Tuesday, April 23, 2024, at 1 pm – [Introduction to the BER Biological Systems Science portfolio](#)
- Tuesday, May 28, 2024, at 1 pm – [Introduction to the BER Earth and Environmental Systems Science portfolio](#)
- For more information on BER office hours, visit <https://science.osti.gov/ber/officehours>

Fusion Energy Sciences (FES)

FES will hold virtual office hours on the first Wednesday of the month, 1-2 pm.

Upcoming topics include:

- Wednesday, May 1, 2024, at 1 pm – [How to Become an Effective Reviewer](#)
- For more information on FES office hours, visit <https://science.osti.gov/fes/officehours>

High Energy Physics (HEP)

HEP will hold virtual office hours on the third Tuesday of the month, 1-2 pm.

Upcoming topics include:

- Tuesday, April 16, 2024, at 1 pm – [Funding Opportunities for Early Career Researchers](#)
- Tuesday, May 21, 2024, at 1 pm – [Technology Initiatives and HEP Core Research](#)
- For more information on HEP office hours, visit <https://science.osti.gov/hep/officehours>

Nuclear Physics (NP)

NP will hold virtual office hours on the first Monday of the month, 2-3 pm. In cases where the first Monday falls on a federal holiday, the office hour will slide to the second Monday of the month. Upcoming topics include:

- Monday, May 6, 2024, at 2 pm – [Post-Award Actions: Annual Reports](#)

- For more information on NP office hours, visit <https://science.osti.gov/np/officehours>

Accelerator R&D and Production (ARDAP)

ARDAP will hold virtual office hours on the second Wednesday of the month, 2-3 pm. Upcoming topics include:

- Wednesday, May 8, 2024, at 2 pm– [Writing a strong proposal and managing an award](#)
- For more information on ARDAP office hours visit <https://science.osti.gov/ardap/officehours>

Isotope R&D and Production (DOE IP)

DOE IP will hold virtual office hours on the second Monday of the month, 1-2 pm. In cases where the second Monday falls on a federal holiday, the office hour will slide to the third Monday of the month. Upcoming topics include:

- Monday, May 13, 2024, at 1 pm – [Working with a Program Manager Before, During, and After an Award](#)
- For more information on DOE IP office hours, visit <https://science.osti.gov/Isotope-Research-Development-and-Production/officehours>

Energy Sovereignty for Indigenous People (ESIP) Global Initiative Workshops

The Energy Sovereignty for Indigenous People (ESIP) Global Initiative, a collaboration of the University of North Dakota, Kansas State University, and North Dakota State University, is sponsoring workshops via Zoom that are open to all

faculty and graduate students at North Dakota's NSF EPSCoR affiliated colleges and universities.

SERIES 2: BRINGING JOY TO YOUR TEACHING CAREER: HOW TO FALL IN LOVE WITH TEACHING

- Session 2: Techniques that Foster Engagement and Learning - April 15 from noon-1pm via Zoom

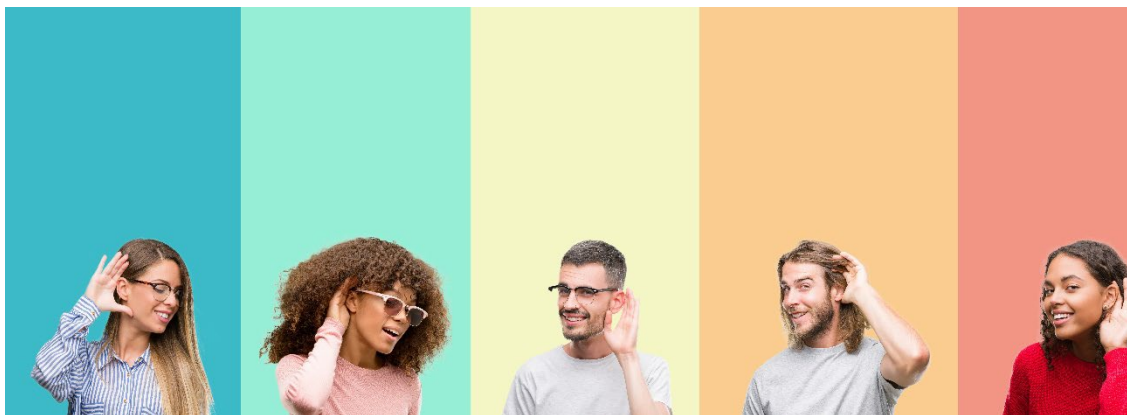
SERIES 3: REFRESHING YOUR TEACHING AT MID-CAREER: HOW TO FALL BACK IN LOVE WITH TEACHING

- Designing Effective Learning Environments - April 24 from noon-1pm via Zoom
- Techniques that Foster Learning- April 29 from noon-1pm via Zoom

SERIES 4: NETWORKING AND COLLABORATIONS

- Session 1: Networking and Collaborations - May 8 from 11-noon via Zoom

[Learn more and register >>](#)



Workshop on Broader Impacts

A Workshop on Broader Impacts will be hosted in the Conference Center at Minot State University on April 17, 2024. The workshop will be presented by the [Center Advancing Research Impact in Society \(ARIS\)](#). ARIS works with U.S. and international scientists to build capacity, advance scholarship, grow partnerships and provide resources to demonstrate the impact of research to communities and society.

Workshop topics include

- **Broader Impacts 101**
- **Building Collaborations & Partnerships for Broader Impact Activities**
- **Building a Broader Impact Identity**

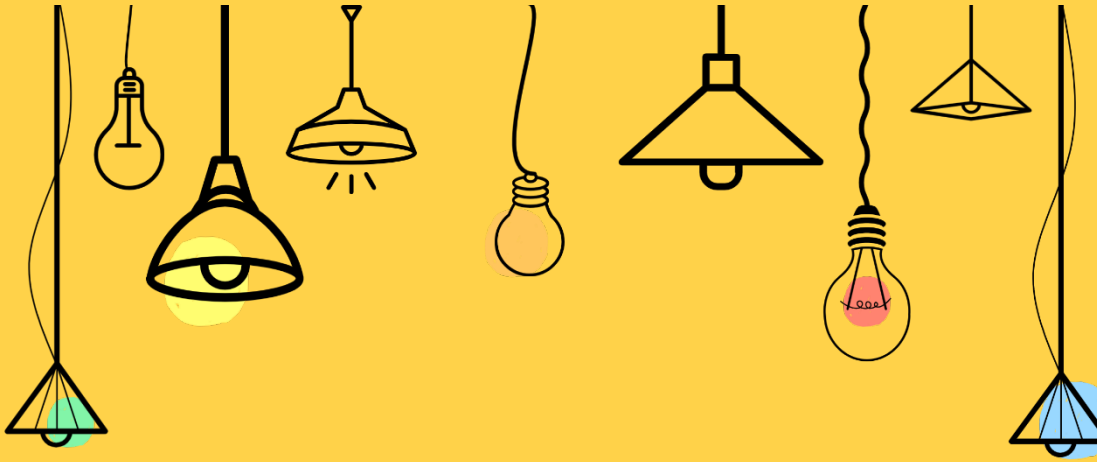
This workshop is free, but [registration is required](#).



SciENCv individual or small group sessions available

NSF now requires the use of [SciENCv](#) to generate your **BioSketch** and **Current and Pending Support** documents for *ALL* grant applications.

If you haven't already managed to login and create a needed biosketch and current and pending support, and you would like some assistance, please reach out to ndsu.researchdev@ndsu.edu to set up a session! We will accommodate in-person and zoom.



Have a big, bright idea about research at NDSU?

It's important that we continually challenge each other to come up with ambitious, big ideas in our research endeavors at NDSU. So we'd like to hear your ideas, and the bigger they are, the better.

While we can't promise all of them will succeed, we welcome you to share them - from an early concept or thought all the way to developed ideas that may just need some collaboration - send us an email (bigideas@ndsu.edu) and get the process started.

Upcoming Events at a Glance

- **Energy Sovereignty for Indigenous People (ESIP) Global Initiative Workshops**
April 15, April 24, April 29, and May 8
[Learn more and register >>](#)
- **Workshop on Broader Impacts**
April 17 | [Learn more >>](#)

Funding Opportunities

QUICK LINKS



National Institutes
of Health

[NIH Grant Funding](#)



[NSF Grant Funding](#)



[DoD Grant Funding](#)

Highlighted Funding Opportunities

- Air Force Fiscal Year 2025 Young Investigator Program
[Learn more and apply >>](#)
- DOE: Reaching a New Energy Sciences Workforce
[Learn more and apply >>](#)
- NEH: Research and Development
[Learn more and apply >>](#)
- NSF: Plant Genome Research Program
[Learn more and apply >>](#)
- NSF: Global Centers (Use-Inspired Research Addressing Global Challenges through the Bioeconomy)
[Learn more and apply >>](#)
- NSF: Sustainable Regional Systems Research Networks (SRS RNs)
[Learn more and apply >>](#) | [Frequently Asked Questions](#)
- USDA AFRI Foundational and Applied Science Program
[Learn more and apply >>](#)

- **USDA AFRI Education and Workforce Development Program**
[Learn more and apply >>](#)
-

Math, Science and Engineering

- **NSF 24-559: Mathematical Foundations of Digital Twins | NSF - National Science Foundation**
Due 6/20/2024 | [Learn more and apply >>](#)
- **NSF 24-549: Next Era of Wireless and Spectrum | NSF - National Science Foundation**
Due 5/28/2024 | [Learn more and apply >>](#)
- **Notice of Funding Opportunity: CHIPS National Advanced Packaging Manufacturing Program (NAPMP) Materials and Substrates Research and Development | NIST**
Concept Paper Due April 12, 2024, Proposals due July 3, 2024 | [Learn more and apply >>](#)

NIH

- **The Intersection of Sex and Gender Influences on Health and Disease (R01 Clinical Trial Optional)**
[Learn more and apply >>](#)
- **International Research Collaboration on Drug Abuse and Addiction Research**
[Learn more and apply >>](#)
- **Epidemiology and Prevention of Alcohol Misuse in Understudied Youth Adult Populations: Military, Workforce, and Community College**
[Learn more and apply >>](#)

- **Public Health Research on Cannabis**
[Learn more and apply >>](#)
- **Research on the Impact of Policy Changes and Emerging and Evolving Public Health Crises on NIDA Populations of Interest**
[Learn more and apply >>](#)

DoD

- **Congressionally Directed Medical Research Programs**
[Learn more and apply >>](#)

Limited submission programs

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 ndsuhdev@ndsuh.edu by **close of business** on the notification deadline date.

Notice of Intent to Compete in Limited Submission Programs:

The following Limited Submission programs are open for “Intent to Compete” notifications. If you are interested in submitting to any of these programs, please send an email to ndsuhdev@ndsuh.edu by the dates indicated below. If more than two applicants respond we will run an internal pre-proposal phase.

- **CHS Foundation Intent to Notify**
Due date April 26, 2024
[Learn more >>](#)

- **NSF 21-536: National Science Foundation Research Traineeship (NRT) Program**
Due date April 26, 2024
[Learn more >>](#)
- **RFA-CA-23-042: The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00 Clinical Trial Not Allowed) (nih.gov)**
Due date 11/19/2024 | Due-Date of Intent: April 22, 2024
[Learn more >>](#)
- **NSF 23-538: Partnerships for Innovation | NSF - National Science Foundation**
Due date April 26, 2024
[Learn more >>](#)
- **Major Research Instrumentation Program (MRI) | NSF - National Science Foundation**
Due date April 26, 2024 | Agency due date window of 10/15/2024 – 11/15/2024.
Please specify which Track you intend to compete for.
[Learn more >>](#)

Review all available [Limited Submission Programs](#)

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.

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

[Contact Us](#)



The Office of Research and Creative Activity (RCA) sends bi-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.

