

RCA UPDATE

April 1, 2024

A message from Colleen Fitzgerald

NDSU Research Community:

We are moving towards the final stages of spring semester and our fiscal year 2024, and what a year it's been. Collectively, research at NDSU is happening at a rapid pace and the results are exceeding our previous high marks – in FY22, NDSU researchers reached an all-time high for expenditures at \$175 million and FY23 is trending even higher.

Awards for FY24 are a real bright spot. As of the end of January they were at \$90 million, which exceeds last year's total of \$80.1 million! One interesting aspect of awards performance this year is that while the **value** of awards has risen, the **number** of awards hasn't gone up dramatically. This shows a smart strategy that NDSU researchers have employed of going after meaningful, larger awards. Best of all, awards are a leading indicator of greater expenditures totals in the future, which is instrumental to ensuring NDSU remains an R1 powerhouse institution.



Many large awards are team projects, spanning multiple disciplines and leading to

the kind of deep integration characteristic of convergent science. Last year, the NDSU Faculty Research Council made a set of recommendations to President Cook, including *“launching a big idea, future facing collaborative research initiative promoting NDSU’s key 4 strategic priority areas during the AY24-25 year to develop internal proposals.”* In response, our office has been Sparking Big Ideas with events and funding calls.

- **BisonSpark Talks**

Held on three dates in October, 16 researchers from NDSU and others in the region presented BisonSpark Talks. These five minute presentations detailed the amazing research happening in various disciplines on campus along with work at Bushel, Microsoft, Vogel Law, and others. The idea was to spark interest, ideas, and collaborations across our research community members.

- **Research Community: Sparking Big Ideas**

NDSU colleagues gathered together in January for a one-day Research Community Building Workshop focused on NDSU's four strategic research priorities. This was a highly interactive event designed to foster cross-disciplinary discussions and collaborations, with support through a rolling deadline for Planning Grants (see below) to keep accelerating the scientific collaborations and work towards outcomes.

- **Sparking Big Ideas Proposal Development Workshop: Hacking Aging**

This workshop aimed to foster the development and co-creation of proposals exploring research questions about how North Dakotans extend the healthy, active years of life and how we effectively prevent or treat age-related diseases. The three-day workshop included 25+ researchers from postdoctoral fellow on up to full professors, working to identify research questions that could generate meaningful research to improve health outcomes for North Dakotans.

We built in support for continued work by allocating funds for up to two \$100,000 awards for Sparking Big Ideas Seed Projects (Economic Diversification Research Funds (EDRF) appropriated in the 2023 ND Legislative session). The proposal deadline closes today; projects are to be

led by eligible participants in the Hacking Aging Workshop, requiring that a majority of the team members participated in that workshop. We expect to issue another Sparking Big Ideas Seed Project call for proposals shortly, which does not tie eligibility to participation in the Hacking Aging Workshop.

- **Sparking Big Ideas: Interdisciplinary Research Planning Grants**

This program initiated early-stage project development to help catalyze collaborative, interdisciplinary teams among diverse disciplines to pursue innovative, ambitious solutions to impactful research questions that fit within NDSU's strategic priorities. This rolling call will be open for some time.

[Learn more about this program.](#)

Along with these new opportunities, we are also working to revamp our webpages so that internal funding calls are easier to find. Start on the "For Researchers" menu of the [RCA website](#) and you'll find "Internal Funding Opportunities" as the first item with "Big Ideas" right below. Every other week, you'll find funding opportunities in each RCA Update. And the easy-to-use [SPIN funding database](#) is available for you to use at any time and it contains even more opportunities for you to explore.

Above all, we want to stay in touch with you. Send us your thoughts or ideas via the [RCA Contact form](#) and take a moment to follow us on [LinkedIn](#) and [X](#).

Thank you for your work to date -- NDSU research is healthy and together, we can reach even greater heights and provide important discoveries and value to the state and country and beyond.

Have a great April and Go Bison!

Colleen

NDSU to "take over" StartupBREW on April 3



The graphic features a dark green background with a white border. At the top center is a blue circular logo with a white coffee cup icon. Below it, the text "StartupBREW" is written in a large, white, sans-serif font, with "FARGO" in a smaller font underneath. To the left is a yellow coffee mug with the text "ALL ARE WELCOME" and to the right is another yellow coffee mug with "FREE COFFEE". Below the main title, a smaller line of text reads: "A weekly meetup for entrepreneurs, creatives, and community members to connect and explore the entrepreneurial journey." At the bottom of this section, there are two icons: a location pin for "Drekker Brewing" and a clock for "8 AM - 9:30 AM".

ALL ARE WELCOME

StartupBREW
FARGO

FREE COFFEE

A weekly meetup for entrepreneurs, creatives, and community members to connect and explore the entrepreneurial journey.

Drekker Brewing 8 AM - 9:30 AM

APRIL 3

2ND ANNUAL
NDSU TAKEOVER DAY
FEATURING:
Gravy Education + The Green and the Gold Collective



Two men, one younger and one older, are shown from the chest up, smiling. They are wearing blue blazers over light-colored shirts.

[Learn more >>](#)

Exploring Paths to Research Leadership Seminar Series
Next sessions: April 5 and April 12



As part of her RCA Broadening Participation Faculty Fellow role, [Febina Mathew](#), NDSU associate professor of plant pathology, has created the Exploring Paths to Research Leadership pilot program. These sessions will enable participants to explore different paths to research leadership.

Developing Collaborations with Faculty Members within NDSU

Facilitating a Social Networking Session aimed at fostering interdisciplinary collaboration among faculty members, to collectively develop potential projects for submission to funding agencies. Additionally, the session will provide an opportunity for the teams to present their projects as "lightning talks" - concise 5-minute presentations - to gather feedback from peers and enhance their collaboration skills through peer-to-peer mentoring.

- April 5, Badlands (MU), 11:30 AM to 1 PM
- Speakers: Febina Mathew, Phil McClean, and Heidi Grunwald

How Do I Become a Research Leader?

Panelists will come from NDSU and the region, drawing from various sources such

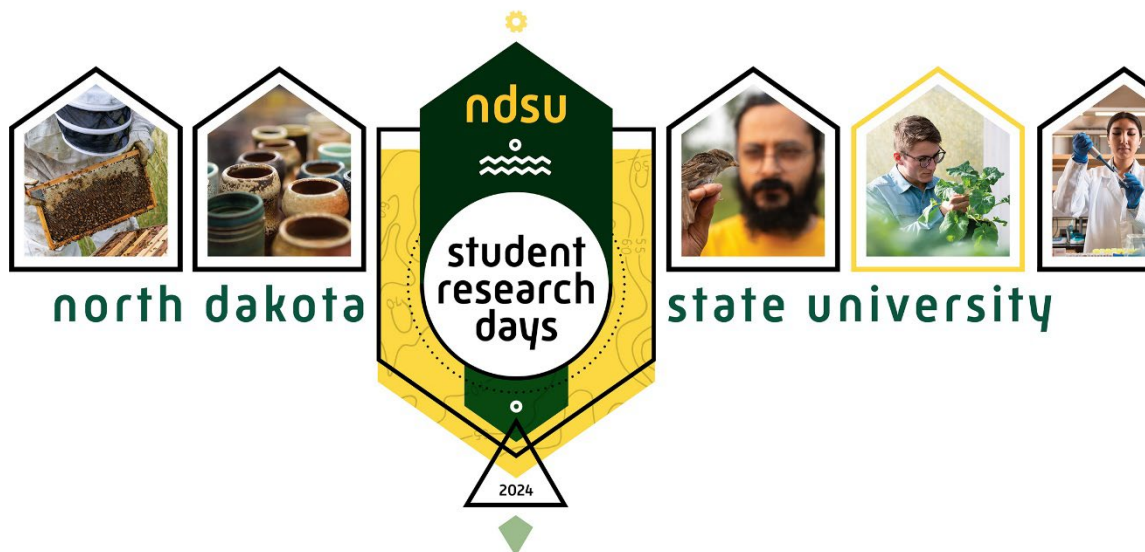
as associate deans for research, central research offices, industry, and more. They will provide valuable insights on career pathways based on their own experiences.

- April 12, Room of Nations (MU), 11:30 AM to 1 PM
- Speakers: Rajesh Kavasseri (SDSU), Wendy Reed (UMN), Nancy Hodur, and Francis Casey

Sessions are free, but registration is required. Lunch will be provided at each session.

[Learn more and register >>](#)

Student Research Days are coming



Tuesday, April 9, for undergraduate student researchers and Wednesday, April 10, for graduate student researchers

- Poster presentations: 10:00 a.m. to 12:00 p.m.
- Oral presentations: 1:30 p.m. to 3:00 p.m.
- Social at 3:00 p.m. and award ceremony to start at 3:30 p.m.

Most events to be held in the Memorial Union.

[Learn more >>](#)



2024 North Dakota Water Resources Research Institute (NDWRI) Fellowship Program

All NDSU and UND graduate students studying in water resources areas are invited to apply for the 2024 NDWRI Fellowship Program. Applicants must be a current NDSU or UND graduate student conducting thesis/dissertation research in water resources areas. Recipients of a 2023 NDWRI fellowship may apply for continuous funding in 2024.

Applications must be submitted electronically to
Xinhua.Jia@ndsu.edu by 5:00 PM on April 5, 2024



[Learn more >>](#)

We're Hiring: Award & Proposal Officer

The Office of Research and Creative Activity's Sponsored Programs Administration team has an opening for an Award & Proposal Officer. The primary purpose of this position is to review, negotiate, and approve awards, subawards and other award matters including contractual amendments/modifications. This position also reviews

and provides signature approvals for proposals submitted to external sponsors for funding. This position supervises and provides back-up support to the Award Intake Officer and the Award & Budget Officer, and provides assistance to the Assistant Director(s) as needed. Some of the specific responsibilities include the following:

Award tasks:

- Negotiate and provide University signature approval of awards from external sponsors
- Draft, negotiate and provide signature approval on subawards to external partners
- Work with award sponsors on amendments/modifications
- Provide back-up for award verification in electronic research administration system

Proposal tasks:

- Review & provide University signature approval of proposals to external sponsors
- Work with campus constituents on proposal issues
- Provide backup for proposal budget review & electronic submissions

[Learn more and apply >>](#)



National Institute of Food and Agriculture
U.S. DEPARTMENT OF AGRICULTURE

RCR Training requirements for NSF and USDA-NIFA awards

Planning to submit to NSF or USDA-NIFA? Both agencies require investigators conducting agency-sponsored research to complete training in the Responsible and Ethical Conduct of Research--termed RECR by NSF and RCR by NIFA. Novelution now verifies that Principal Investigators, Co-Investigators and other Key Personnel listed in Novelution as participating in the research have completed the training in the CITI program. Training for these individuals must be completed before NSF or NIFA

awards can be set up for spending. Training for participating personnel who are not named in Novelution should be completed within 60-days beginning work on the project.

In order to facilitate the award setup process, you can complete the RCR training in advance. For NSF projects, complete the Responsible Conduct of Research course most applicable to your research – Biomedical, Social and Behavioral, Physical Science or Humanities. Those investigators involved ONLY in USDA-NIFA funded research may completed the agency-specific course.

Learn more about [training requirements](#) or contact Kristy Shirley (Kristy.shirley@ndsu.edu, 1-8995) with any questions.

USDA-NIFA ACKNOWLEDGMENT OF FUNDING SOURCE AND PUBAG REQUIREMENTS

There are two critical requirements for publications resulting from USDA-NIFA funded projects: (i) acknowledging the funding source and (ii) sharing the publication on PubAg, the USDA's public access archive system. These requirements apply to all projects, whether fully or partially funded by USDA-NIFA competitive grants or capacity funds (e.g., Regular and Multistate Hatch, McIntire-Stennis).

1. **Acknowledgment of Funding:** It is essential to acknowledge USDA support in your publications. Detailed guidance is available on their webpage: [Acknowledgment of USDA Support in NIFA](#). Please include the following statement in the acknowledgment section of your publications:

"This research was supported in part by the intramural research program of the U.S. Department of Agriculture, National Institute of Food and Agriculture, Hatch #Accession Number#. The findings and conclusions in this publication represent those of the author(s) and have not been formally disseminated by the U.S. Department of Agriculture and should not be construed to represent any agency determination or policy."

**** You can find your Hatch #Accession Number# in the [NRS system](#)****

2. **Sharing Publications on PubAg:** USDA-NIFA mandates public access for all funded projects by sharing publications on their PubAg system (<https://submit.nal.usda.gov/>). This requirement encompasses all USDA-funded projects, including competitive grants and capacity funds. For PubAg reporting, authors need eAuthentication, an ORCID (<https://orcid.org/signin>), and the publication must be accepted and have a DOI. The attachments provide additional information about the PubAg requirements. PubAg ensures public access to your work, akin to NIH's PubMed system.

The USDA-NIFA has provided a [webinar](#) detailing Departmental Regulation (DR) 1020-006, which covers public access to scholarly publications and digital scientific research data. The webinar offers insights into complying with the requirement to submit final, peer-reviewed, accepted manuscripts to PubAg. Publications in their final, peer-reviewed, but not yet journal-published format, should be included in the PubAg system.

RESPONSIBLE CONDUCT OF RESEARCH (RCR) TRAINING REQUIREMENTS

USDA-NIFA and NSF-funded projects mandate that all participating personnel complete Responsible Conduct of Research (RCR) training. This requirement applies to USDA grants and capacity funds:

1. **USDA/NSF Grants:** Novelution has been updated to require that individuals involved in proposals (faculty, students, staff) submit a certificate of RCR training.
 - For "named personnel," Novelution will automatically verify the completion of training.
 - For personnel not specifically named in the proposal, RCR training certificates must be sent to [Kristy Shirley](#) in RCA, along with the project(s) they are involved in.
2. **USDA Capacity Funds:** RCR certificates are required for all personnel receiving USDA-NIFA capacity funding (e.g., Hatch, McIntire-Stennis). My

office will now request a certificate of RCR completion during the approval of new Hatch Regular and Multistate Projects.



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.

[Sign up >>](#)

**FARMS is hiring:
CEO and Business & Operations Manager**

The North Dakota Advanced Agriculture Technology Engine (FARMS) is a collaborative partnership among the FMWF Chamber, Grand Farm, the GFM Economic Development Corporation, the ND Tribal College System, and NDSU. The following positions are currently open for applications:



- **The FARMS CEO** will provide visionary leadership, establishing and driving the strategic direction of the program.
- **The FARMS Business & Operations Manager** will serve in a key role in overseeing and managing the financial and operational activities of the program.

[Learn more and apply >>](#)

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: Biographical Sketches

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 biographical sketch [common form](#)**. A few things to note:

- It is required that applicants use [SciENCv](#) to develop their biosketch
- There is no longer a page limit for biosketches, but there are limits regarding the types of information and number of examples that can be included
- The new form does not include synergistic activities. **Synergistic Activities must now be submitted as a separate senior personnel document.**

[Learn more about the new biosketch format >>](#)

[Learn about the new Synergistic Activities document >>](#)

[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](#).



National Institutes
of Health

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.

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



Applications are Open for NDSU Indigenous Food Sovereignty Summer Program for Students

The application period is now open for the Indigenous Food Sovereignty Emerging Leaders Program. Developed through NDSU's Institute for Indigenous Food Sovereignty and Public Health (IIFSPH), this program is supported by the U.S. Department of Agriculture (USDA) Office of Tribal Relations (OTR). The IIFSPH is part of NDSU's American Indian Public Health Resource Center (AIPHRC).

This program stems from a cooperative agreement between USDA and NDSU to engage and partner with Tribes and Tribal colleges to improve the delivery of culturally appropriate public health services and functions in American Indian communities, focusing on Indigenous food sovereignty.

Through the three-week Indigenous Food Sovereignty Emerging Leaders Program, selected students will:

- Engage with diverse stakeholders;
- Broaden their knowledge in areas such as public health, nutrition, food, and agriculture;
- Build the skills for presenting on health and food sovereignty topics to their community; and
- Learn how to build and strengthen sustainable food and public health programs within Native communities.

The program will take place from June 9 – 29, 2024 on NDSU's campus in Fargo, North Dakota. In addition to the benefits described above, selected students will receive housing on campus, payment of travel expenses, meals, and more.

Up to 25 students will be selected for this year's program. High school and college undergraduate students who are 18 years of age by May 1, 2024 are invited to apply. An informational webinar will take place March 28 at 3 p.m. ET. Register today.

The deadline to apply is Monday, April 15. Those selected will be notified Wednesday, May 1.

[Learn more and apply today >>](#)



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:

- April 9, 2024, at 1 pm – [Introduction to ASCR's Computer Science research program](#)
- 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, April 3, 2024, at 1 pm – [FES topics in the FY 2024 Open Call](#)
- 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, April 1, 2024, at 2 pm – [Proposal Life Cycle](#)
- 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, April 10, 2024, at 2 pm – [FOAs and Facilities for Accelerator Science](#)
- 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, April 8, 2024, at 1 pm – [Competitive DOE IP Funding Opportunities for R&D and Training](#)
- 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 1: Designing Effective Learning Environments - April 10 from noon-1pm via Zoom
- Session 2: Techniques that Foster Engagement and Learning - April 15 from noon-1pm via Zoom

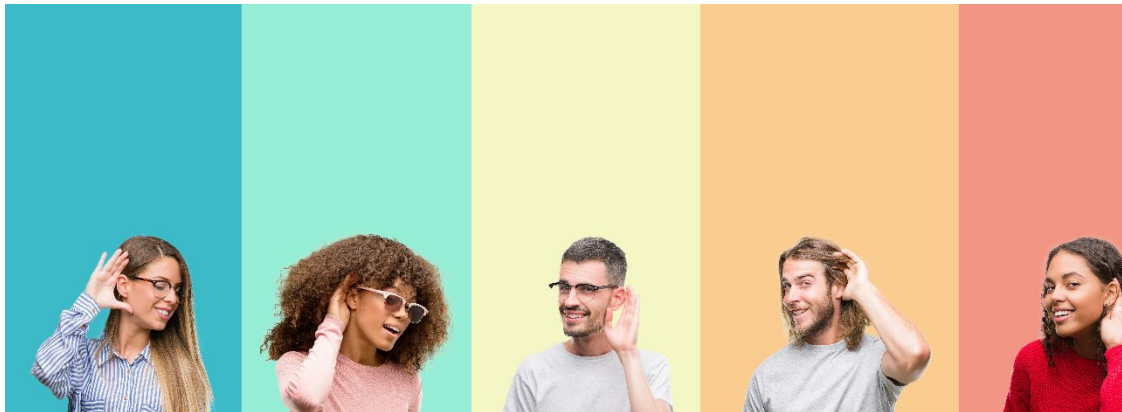
SERIES 3: REFRESHING YOUR TEACHING AT MID-CAREER: HOW TO FALL BACK IN LOVE WITH TEACHING

- 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**

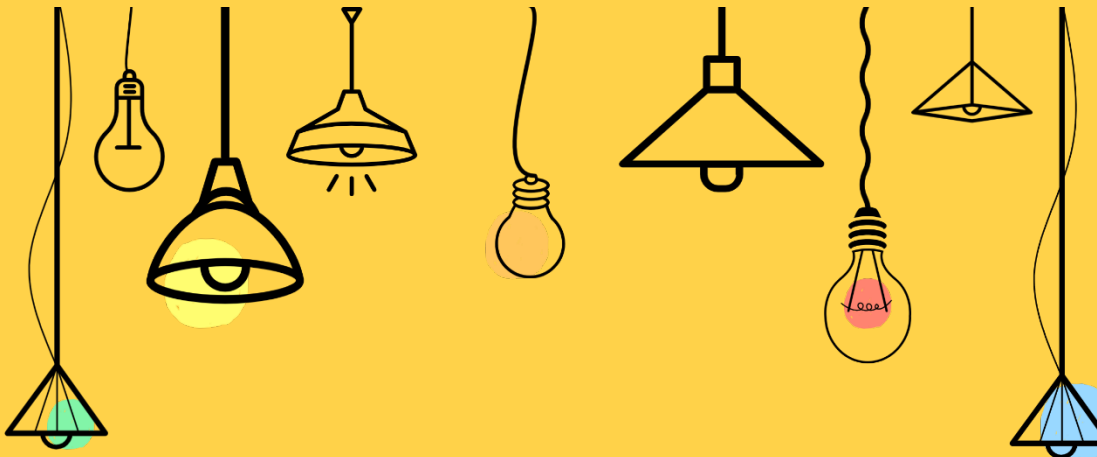
This workshop is free, but [registration is required](#).



SciENcv individual or small group sessions available

NSF now requires the use of [SciENCy](#) 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

- **Exploring Paths to Research Leadership Seminar Series**
April 5, April 12 | [Learn more and register >>](#)
- **Energy Sovereignty for Indigenous People (ESIP) Global Initiative Workshops**
April 3, April 10, April 15, April 24, April 29, and May 8
[Learn more and register >>](#)
- **StartupBREW Fargo: NDSU Takeover Day**
April 3, 8:00am | [Learn more >>](#)
- **Student Research Days**
April 9 and 10 | [Learn more >>](#)
- **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 >>](#)
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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 ndsu.researchdev@ndsu.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 ndsu.researchdev@ndsu.edu by the dates indicated below. If more than two applicants respond we will run an internal pre-proposal phase.

- **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 ndsuhresearchdev@ndsuh.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.

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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.