

NDSU OFFICE OF
RESEARCH AND CREATIVE ACTIVITY

RCA UPDATE

December 19, 2022



HAPPIEST HOLIDAYS!

HAVE AN AMAZING NEW YEAR

NDSU RESEARCH AND
CREATIVE ACTIVITY

Meet one of NDSU's New Faculty Researchers:

TRAVIS SEABORN, PhD

School of Natural Resource Sciences

What are your primary research and scholarly interests?

I am interested in the management and conservation of fish and wildlife species. Specifically, my lab will look at the impacts of land use, climate change, and other anthropogenic challenges. I take an interdisciplinary approach, using the tools of conservation/landscape genetics and ecological modeling. As examples, I've worked on how restoration may impact native fish hybridizing with invasive fish, how successful moving individuals to establish new populations may be, whether certain populations are adapted to warmer temperatures, and where species may go with climate change.

**Where are you from and where did you pursue your education?**

I am coming from the University of Idaho, where I was a Postdoctoral Scholar for three years with a grant at the state level as part of the National Science Foundation's EPSCoR program. Before that, I did my undergraduate at University of Washington, masters at Western Carolina University, and Ph.D. at Washington State University.

What excites you about NDSU?

My Ph.D. and postdoc were both at land grant institutions. I am excited to be in a natural resources department that cares about the land grant mission of serving the people and the land in our region.

What motivates you?

I am motivated by a passion to improve the lives of the stakeholders, including the goal to make sure that the pieces and services of our natural world are available to future generations.

Are you a new researcher at NDSU? [Submit your profile](#)



COI Disclosures moving to Novelution

Launch Date: January 20, 2023

The online COI disclosure will replace the DocuSign process known as the Significant Financial Interest (SFI) disclosure.

When do I need to disclose?

- Federal funding sources, such as NIH, NSF and [other PHS agencies](#), require disclosure of significant financial interests as well as foreign affiliations annually. You'll be prompted to complete the disclosure prior to the submission of a new proposal or the release of an award.
- If you have indicated a potential financial or familial conflict within a proposal, you will also be prompted to complete the new COI disclosure form.
- Other potential conflicts may be disclosed at any time.

If you are planning to submit a proposal in late January or February, please consider logging into Novelution after January 20, 2023, and completing your disclosure ahead of submission. This will alleviate last minute requests prior to the deadline.

More information about [disclosure procedures](#) is available on the RCA webpage..

Training

Training by the Novelution team will be available January 17, 2023 at 1:30. To register for training, contact [Amanda Wilkinson](#) (701-231-8908)

FY2024 Programmatic Requests

Deadline for submissions: December 20, 2022.

Each year congressional delegations have the opportunity to submit programmatic funding requests for federal research programs. Programmatic requests are designed to add additional funding to federal agencies' budgets with the intent that a competitive funding opportunity will be released in connection with the funding increase.

NDSU's process for submitting requests for consideration is on the [RCA website](#).

If you have questions about the process or would like to discuss a potential idea, please contact ndsuhresearchdev@ndsuh.edu.

Changes to NSF Proposal Submissions – January 30, 2023

The National Science Foundation (NSF) has released the updated Proposal and Award Policy and Procedure Guide ([PAPPG 23-1](#)) which will be effective for proposals with deadlines on or after January 30, 2023. There are a number of major changes introduced with this update:



- **FastLane will be Decommissioned.** NSF is preparing to transition the preparation and submission of all new proposals from FastLane to Research.gov on January 30, 2023. Previously submitted FastLane proposals and supplemental funding requests will be available for the research community to access until Friday, September 29, 2023.
- **New Certification Requirements for Biographical Sketches and Current and Pending Support.** Senior Personnel will be required to certify that the information provided in their Biographical Sketch and Current and Pending Support documents are accurate, current, and complete. This certification

will be included in both SciENCv and the NSF fillable format for proposals submitted or due on or after January 30, 2023.

- **Effective October 2023, SciENCv will be required for preparation of biographical sketches and current and pending support.** Other formats, including the fillable PDF form, will no longer be accepted.

Requesting an Award Amendment

Throughout the course of an award, it may become necessary to make changes to project details, such as the budget, period of performance, or personnel involved. These changes should be requested by using the blue “Amend” button in the Novelution record, which is located right above the Primary Information panel.

Using the “Amend” feature in Novelution is recommended as:

- some sponsors give NDSU authority to approve changes internally, which can save time;
- requests may be required to be submitted by an Authorized Organizational Representative (AOR) to be considered by the sponsor (Sponsored Programs Administration {SPA} personnel are AOR’s for NDSU);
- an amendment with AOR signature may be required by the award terms; and
- Novelution is used to communicate between administrative teams (SPA and Grant & Contract Accounting) to ensure all systems (PeopleSoft & Novelution) are updated with new amounts and dates.

If you have any questions about award amendment requests, you can contact Sponsored Programs at 701-231-8045 or ndsu.research@ndsu.edu

Research Development and Grant Writing News

The Research and Creative Activity office holds a subscription to Research Development and Grant Writing News, a monthly newsletter full of helpful tips and information about funding agencies and writing successful grant proposals. Here are some articles you will find in recent editions:



- The Dos and Don'ts of Writing the Statement of Purpose for a Humanities / Social Sciences Funding Application
- Connect Funding Opportunities to Societal Challenges
- DOE Guide for the Submission of Unsolicited Proposals
- Do You Speak Your Funding Agency's Language?
- NSF Opportunities for Selected Social Science and Humanities Research
- NSF Observations on Plagiarism

You can access these and many more articles in the [newsletter archive](#) with your NDSU log-in.

SAVE THE DATE - APRIL 18, 2023

STUDENT RESEARCH DAY

Watch for further details about registration and deadlines in January

NDSU Student Research Day is a collaboration among NDSU EXPLORE, Gamma Sigma Delta, and the Graduate Student Council. Join us for a one-day celebration of undergraduate and graduate student research and creative projects.

Please plan to join us on April 18, 2023, in the Memorial Union



RCA Funding Opportunities

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](#).

Upcoming Events

- NIH Virtual Grants Conference

February 1-2, 2023 / [Learn more >>](#)

- **Save the Date: Virtual Workshop: How to Pursue Funding From Mission Agencies**

February 15, 2023; Noon-1:30pm | [Learn more >>](#)

- **Save the Date: Student Research Day**

April 18, 2023

- **Save the Date: Virtual Workshop: Pursuing Funding for Education Research**

April 19, 2023; Noon-1:30pm | [Learn more >>](#)

FUNDING OPPORTUNITIES

- [Bayer Crop Sciences](#)
- [DoD: Army Research Lab BAA for Foundational Research](#)
- [DOE EPSCoR: Implementation Grants – **LIMITED**](#)
- [DOE: Integrative Computational Tools for Systems Biology Research](#)
- [NEA: Creative Writing Fellowship – Prose](#)
- [NEA: Grants for Arts Projects – **LIMITED**](#)
- [NIH: National Cancer Institute Small Grants Program](#)
- [NIH: Secondary Analysis of Existing Datasets in Heart, Lung, and Blood Diseases and Sleep Disorders](#)
- [NIH: Short Courses on Innovative Methodologies and Approaches in the Behavioral and Social Sciences](#)
- [NSF: Campus Cyberinfrastructure](#)
- [NSF: Designing Materials to Revolutionize and Engineer our Future](#)
- [NSF: EHR Core Research \(ECR\) - Building Capacity in STEM Education Research](#)
- [NSF: Research Coordination Networks](#)
- [NSF: Scholarships in STEM – NEW Solicitation – **LIMITED**](#)
- [NSF: Strengthening American Infrastructure](#)

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.

- [DOE EPSCoR: Implementation Grants](#)
Notification Deadline: 12/20/2023
- [NEA: Grants for Arts Projects](#)
Notification Deadline: 12/20/2023
- [NSF: Scholarships in STEM \(S-STEM\) – New Solicitation](#)
Notification Deadline: 12/20/2023
- [NSF EPSCoR Research Infrastructure Improvement Track 4: EPSCoR Research Fellows](#)
Notification Deadline: 01/11/2023
- [NEA: Challenge America](#)
Notification Deadline: 01/25/2023
- [NIH: Undergraduate Research Training Initiative for Student Enhancement \(U-RISE\)](#)
Notification Deadline: 01/26/2023

There are a number of limited submission grant programs with upcoming agency deadlines for which we did not receive any notifications of interest. 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.

- [CDC: Assessing the Effectiveness of Programs, Policies, or Practices that Affect Social Determinants of Health to Promote Health Equity and Reduce Health Disparities in Chronic Diseases](#)
LOI Deadline: 01/10/2023
- [NSF: Partnerships for Innovation](#)
Deadline: 01/11/2023

- [DOE: Research in Basic Plasma Science and Engineering](#)
Deadline: 01/12/2023
- [NIH: John Lewis NIMHD Research Endowment Program](#)
Deadline: 01/17/2023
- [NSF: Training-based Workforce Development for Advanced Cyberinfrastructure](#)
Deadline: 01/19/2023
- [DOE: Deployment Challenges for Offshore, Land-Based, and Distributed Wind](#)
Deadline: 01/20/2023
- [NIH: Leading Equity and Diversity in the Medical Scientist Training Program](#)
Deadline: 01/23/2022
- [HRSA: Rural Communities Opioid Response Program-Evaluation](#)
Deadline: 01/27/2023
- [NIH: Collaborative Program Grant for Multidisciplinary Teams](#)
Deadline: 01/27/2023
- [Camille Dreyfus Teacher-Scholar Awards Program](#)
Deadline: 02/01/2023
- [NIH: Research Evaluation and Commercialization Hubs](#)
Deadline: 02/09/2023
- [NSF: Major Research Instrumentation](#) – Track 2 – proposals requesting \$1.4M-\$4M
Deadline: 02/21/2023
- [NSF: Major Research Instrumentation](#) – Track 3 – purchase, installation, operation, and maintenance of equipment and instrumentation to conserve or reduce the consumption of helium.
Deadline: 02/21/2023
- [NSF: Advanced Computing Systems & Services](#)
Deadline: 02/23/2023
- [NSF: Strengthening the Cyberinfrastructure Professionals Ecosystem](#)
Deadline: 02/23/2023
- [DOE: Distributed Resilient Systems](#)
Deadline: 02/24/2023

- [Graham Foundation: Architecture and the Designed Environment](#)
Deadline: 02/25/2023
- [HRSA: Rural Communities Opioid Response Program-Neonatal Abstinence Syndrome](#)
Deadline: 03/082023

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Bayer Crop Science Opportunities

Bayer Crop Sciences is soliciting brief (~1 page) proposals on a number of topics:

Deadline December 31

- [Innovative fungicide active ingredient search](#)
- [Active compounds for managing resistance in Lepidoptera, hoppers, thrips, and mites](#)
- [Novel active microbial pesticides to improve soil health](#)
- [Active ingredients for Fusarium disease control in soil](#)
- [Novel herbicide compounds to control grass selectively in major crops](#)

Deadline January 31

- [Formulations and processes for pollen cryopreservation](#)
- [Improving corn reproduction process knowledge](#)

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DoD: Army Research Lab BAA for Foundational Research

This Broad Agency Announcement [[W911NF-23-S-0001](#)] solicits whitepapers and proposals for basic and applied research and, in some cases, advanced technology development and advanced component development and prototypes. View the Army Research Lab's topics of interest [here](#).

This BAA is open until November 20, 2027.

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DOE EPSCoR: Implementation Grants – Limited Submission Program

Limited submission grant programs are those that indicate a limit on the number of proposals that may be submitted by an institution for a particular deadline. A selection process becomes necessary if more applicants express interest in applying than NDSU is allowed to submit to the grant program.

DOE EPSCoR Implementation : Notify RCA by 12/20/2022, 4pm, if you are interested in submitting to this program. Include the names of your NDSU / internal collaborators.

On December 14, the Department of Energy (DOE) announced a new solicitation for the **Established Program to Stimulate Competitive Research (EPSCoR) Implementation Grants program [DE-FOA-0002913]**. Grants awarded under this program are intended to improve research capability through the support of a group of scientists and engineers, including graduate students and post-doctoral fellows, working on a common scientific theme in one or more than one EPSCoR jurisdiction. These awards are not appropriate mechanisms to provide support for individual faculty science and technology research projects.

The applications are sought for research in key science and technology areas related to DOE missions, which can be found on Page 3 of the solicitation. Typical award size is expected to be \$2-3 million for a two year period.

LIMITED SUBMISSION: Applicant institutions are limited to no more than one pre-application.

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DOE: Integrative Computational Tools for Systems Biology Research

The Biological and Environmental Research (BER) program supports basic research to understand the fundamental nature of biological processes relevant to DOE energy and

environmental mission goals. Within BER, the GSP supports systems biology research on microbial, plant, plant-microbe interactions, and environmental microbial communities to address DOE's mission in sustainable bioenergy development. Understanding and harnessing the metabolic and regulatory networks of plants and microbes will enable their design and re-engineering for improved energy resilience and sustainability, including advanced biofuels and bio products.

Through this announcement [[DE-FOA-0002878](#)], the Biological Systems Science Division (BSSD) solicits applications that propose innovative computational solutions that can integrate large, disparate data types from multiple and varied sources, and/or the integration of data to achieve coordinated knowledge or integration of knowledge to decipher relationships of biological systems of relevance to DOE. Novel computational tools and analytical approaches of large-scale, multimodal, and multiscale data that will lead to scalable solutions for omics analysis, data mining, and knowledge extraction from complex data sets (experimental and calculated) are sought. Bioinformatics tools or computational applications that are interoperable and effective for computationally intensive data processing and analyses for systems-level investigations are desirable. Also encouraged is the enhancement of existing software or approaches that are demonstrated to be in broad use by the genomics community, to aid the interpretation of multimodal data for environmental sciences.

Pre-application deadline: January 10, 2023; 4pm

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NEA: Creative Writing Fellowship – Prose

The National Endowment for the Arts (NEA) [Literature Fellowships](#) program offers \$25,000 grants in **prose** (fiction and creative nonfiction) and **poetry** to published creative writers that enable recipients to set aside time for writing, research, travel, and general career advancement. Applications are reviewed through an anonymous process in which the criteria for review are the artistic excellence and artistic merit of the submitted manuscript. Through this program, the NEA seeks to sustain and nurture a diverse range of creative writers at various stages of their careers and to continue to expand the portfolio of American art.

The program operates on a two-year cycle with fellowships in prose and poetry available in alternating years. For FY 2024, which is covered by these guidelines, fellowships

in **prose (fiction and nonfiction)** are available. Fellowships in poetry will be offered in FY 2025 and guidelines will be available in January 2024. Individuals may apply only once each year.

Deadline: March 8, 2023



NEA: Grants for Arts Projects – 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.

NEA Grants for Arts : Notify RCA by 12/20/2022, 4pm, if you are interested in submitting to this program.

Grants for Arts Projects is the National Endowment for the Arts' largest grants program for organizations, providing comprehensive and expansive funding opportunities for communities. Through project-based funding, the program supports opportunities for public engagement with the arts and arts education, for the integration of the arts with strategies promoting the health and well-being of people and communities, and for the improvement of overall capacity and capabilities within the arts sector.

NEA funds arts projects in the following disciplines: Artist Communities, Arts Education, Dance, Design, Folk & Traditional Arts, Literary Arts, Local Arts Agencies, Media Arts, Museums, Music, Musical Theater, Opera, Presenting & Multidisciplinary Arts, Theater, and Visual Arts.

LIMITED SUBMISSION: An organization may submit only one application to the FY 2024 Grants for Arts Projects program (i.e., one application per calendar year), with limited exceptions.



NIH: National Cancer Institute Small Grants Program

This Funding Opportunity Announcement (FOA) [[PAR-23-058](#)] supports discrete, well-defined projects in any area of cancer research using the NIH R03 small grant mechanism.

The NIH R03 small grant mechanism supports discrete, well-defined projects that realistically can be completed in 2 years and that require limited levels of funding. Examples of the types of projects that the R03 grant mechanism include, but are not limited to, the following:

- Pilot or feasibility studies;
- Secondary analysis of existing data;
- Small, self-contained research projects;
- Development of research methodology; and
- Development of new research technology.

Projects submitted to this FOA may involve basic, translational, clinical, and / or population research related to cancer. *Examples of relevant areas include but are not limited to studies of:*

- Cancer biology;
- Cancer control;
- Cancer diagnosis;
- Cancer disparities;
- Cancer prevention; and
- Cancer treatment.

Upcoming deadlines: February 22, June 20, October 17

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NIH: Secondary Analysis of Existing Datasets in Heart, Lung, and Blood Diseases and Sleep Disorders (R21 Clinical Trial Not Allowed)

This Funding Opportunity Announcement (FOA) [[PAR-23-036](#)] encourages R21 applications that propose to conduct secondary analyses using existing human datasets in areas relevant to the National Heart, Lung, Blood Diseases and Sleep Disorders Institute (NHLBI) scientific mission. The FOA aims to stimulate the use of existing human datasets to investigate novel scientific ideas, and / or generate new models, systems, tools, or technologies that have the potential for significant impact on biomedical or biobehavioral research. Generation of new primary data is not allowed.

Upcoming deadlines: February 28, October 28



NIH: Short Courses on Innovative Methodologies and Approaches in the Behavioral and Social Sciences (R25 Independent Clinical Trial Not Allowed)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that complement and / or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs.

This request for applications (RFA) [[RFA-OD-23-003](#)] is to support courses for skills development in cross-cutting methodologies and analytics that are needed to advance behavioral and social sciences research (BSSR) but are not well-addressed by existing educational programs widely available to the BSSR community. Short courses supported by this RFA should develop, implement, evaluate and disseminate education and training focused on innovative methods for BSSR. Methodological domains of focus include but are not limited to innovative data collection methodologies and analytic techniques, analysis and linking of big data, or needed but underutilized designs to advance research across the translational spectrum.

Deadline: April 17, 2023



NSF: Campus Cyberinfrastructure

The Campus Cyberinfrastructure (CC*) program [[NSF 23-526](#)] invests in coordinated campus-level cyberinfrastructure improvements, innovation, integration, and engineering for science applications and distributed research projects. Learning and workforce development (LWD) in cyberinfrastructure is explicitly addressed in the program. Projects that help overcome disparities in cyber-connectivity associated with geographic location, and thereby advancing the geography of innovation and enabling populations based in these locales to become more nationally competitive in science, technology, engineering, and mathematics (STEM) research and education are particularly encouraged. Science-

driven requirements are the primary motivation for any proposed activity.

CC* awards will be supported in seven program areas:

- Area (1) Data-Driven Networking Infrastructure for the Campus and Researcher;
- Area (2) Regional Connectivity for Small Institutions of Higher Education;
- Area (3) Network Integration and Applied Innovation;
- Area (4) Campus Computing and the Computing Continuum;
- Area (5) Regional Computing;
- Area (6) Data Storage; and
- Area (7) Planning Grants and CI-Research Alignment.

Deadline: March 1, 2023

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NSF: Designing Materials to Revolutionize and Engineer our Future (DMREF)

DMREF [[NSF 23-530](#)] will support activities that significantly accelerate the materials discovery-to-use timeline by building the fundamental knowledge base needed to advance the design, development, or manufacturability (*i.e.*, properties relevant to manufacturing, process-property relationships, property performance metrics, potential pathways for scale-up, economic feasibility, supply chain considerations, or life cycle issues) of materials with desirable properties or functionality. This solicitation is open to all materials research topics. Projects proposed to this solicitation must be directed by a team of at least two Senior Personnel with complementary expertise. The proposed research must involve a collaborative and iterative 'closed-loop' process wherein theory guides computational simulation, computational simulation guides experiments, and experimental observation further guides theory. The integrated research activities could involve some combination of:

- Strategies to advance fundamental knowledge related to materials design and manufacturability through testing methodology, which may include novel synthetic approaches, innovative processing, or advanced characterization techniques.
- Theory, computation/simulation, and modeling that leverage machine learning (ML), artificial intelligence (AI), data mining, or sparse approximation to predict behavior or assist in simplifying the analysis of multidimensional input data.

- Automated, high-throughput, and/or autonomous experimentation, including cyber-physical systems, that streamline and optimize the search of a materials space.
- Validation through synthesis, growth, processing, characterization, and/or device demonstration.

Deadline: March 13, 2023

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NSF: EHR Core Research (ECR) - Building Capacity in STEM Education Research

ECR's Building Capacity in STEM Education Research (ECR: BCSER) program [[NSF 22-548](#)] supports projects that build investigators' capacity to carry out high-quality STEM education research that will enhance the nation's STEM education enterprise. In addition, ECR: BCSER seeks to broaden the pool of researchers who can advance knowledge regarding STEM learning and learning environments, broadening participation in STEM fields, and STEM workforce development. Researchers of races and ethnicities, genders, sexual orientations, and abilities who are currently underrepresented in their participation in STEM education research and the STEM workforce, as well as faculty at minority-serving and two-year institutions, are particularly encouraged to submit proposals.

Specifically, ECR: BCSER supports activities that enable researchers to expand their areas of expertise and acquire the requisite knowledge and skills to conduct rigorous research in STEM education. Career development may be accomplished through investigator-initiated professional development and research projects or through institutes that enable researchers to integrate methodological strategies with theoretical and practical issues in STEM education.

Deadline: February 24, 2023

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NSF: Research Coordination Networks (RCN)

The goal of the RCN program [[NSF 23-529](#)] is to advance a field or create new directions in research or education by supporting groups of investigators to communicate and

coordinate their research, training and educational activities across disciplinary, organizational, geographic, and international boundaries. The RCN program provides opportunities to foster new collaborations, including international partnerships where appropriate, and address interdisciplinary topics. Innovative ideas for implementing novel networking strategies, collaborative technologies, training, broadening participation, and development of community standards for data and meta- data are especially encouraged. RCN awards are not meant to support existing networks; nor are they meant to support the activities of established collaborations. RCN awards also do not support primary research. Rather, the RCN program supports the means by which investigators can share information and ideas; coordinate ongoing or planned research activities; foster synthesis and new collaborations; develop community standards; and in other ways advance science and education through communication and sharing of ideas.

Full proposals accepted anytime.



NSF: Scholarships in Science, Technology, Engineering, and Mathematics Program – NEW Solicitation – 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 S-STEM : Notify RCA by 12/20/2022, 4pm, if you are interested in submitting to this program. Include the S-STEM-eligible discipline(s) that will be targeted by the planned proposal.

The main goal of the S-STEM program [[NSF 23-527](#)] is to enable low-income students with academic ability, talent or potential to pursue successful careers in promising STEM fields. Ultimately, the S-STEM program seeks to increase the number of low-income students who graduate with a S-STEM eligible degree and

contribute to the American innovation economy with their STEM knowledge. Recognizing that financial aid alone cannot increase retention and graduation in STEM, the program provides awards to institutions of higher education (IHEs) not only to fund scholarships, but also to adapt, implement, and study evidence-based curricular and co-curricular activities that have been shown to be effective supporting recruitment, retention, transfer (if appropriate), student success, academic / career pathways, and graduation in STEM.

S-STEM Eligible Degree Programs include:

- Associate of Arts, Associate of Science, Associate of Engineering, and Associate of Applied Science;
- Bachelor of Arts, Bachelor of Science, Bachelor of Engineering and Bachelor of Applied Science;
- Master of Arts, Master of Science and Master of Engineering; and
- Doctoral.

S-STEM Eligible Disciplines:

Disciplinary fields in which research is funded by NSF, with the following exceptions:

- Clinical degree programs, including medical degrees, nursing, veterinary medicine, physical therapy, and others not funded by NSF, are ineligible degrees.
- Business school programs that lead to Bachelor of Arts or Science in Business Administration degrees (BABA / BSBA / BBA) are not eligible for S-STEM funding.
- Masters and Doctoral degrees in Business Administration are also excluded.

LIMITED SUBMISSION:

An institution may submit up to two proposals (either as a single institution or as subawardee or a member of an inter-institutional consortia project) for a given S-STEM deadline. Multiple proposals from an institution must not overlap with regard to S-STEM eligible disciplines.

Note: NDSU has an active S-STEM award targeting students who are pursuing bachelor's degrees in biological sciences, so NDSU is ineligible to submit another proposal targeting the same student population (bachelor's degree in biological sciences).

NSF: Strengthening American Infrastructure

Strengthening American Infrastructure (SAI) [[NSF 23-533](#)] is an NSF program seeking to stimulate human-centered fundamental and potentially transformative research aimed at strengthening America's infrastructure. Effective infrastructure provides a strong foundation for socioeconomic vitality and broad improvement in quality of life. Strong, reliable and effective infrastructure spurs private-sector innovation, grows the economy, creates jobs, makes public-sector service provision more efficient, strengthens communities, promotes equal opportunity, protects the natural environment, enhances national security and fuels American leadership. Achieving these objectives requires the integration of expertise from across all science and engineering disciplines. SAI focuses on how fundamental knowledge about human reasoning and decision-making, governance, and social and cultural processes enables the building and maintenance of effective infrastructure that improves lives and society and builds on advances in technology and engineering. Successful projects will represent a convergence of expertise in one or more social, behavioral or economic sciences, deeply integrated with other disciplines to support substantial and potentially pathbreaking fundamental research applied to strengthening a specific focal infrastructure.

Deadline: March 15, 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 ndsu.researchdev@ndsu.edu.

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.