

RCA UPDATE

March 20, 2023

A banner with a textured, light gray background. The text "Grant Writing Workshops" is centered. "Grant Writing" is in a large, bold, dark teal font, and "Workshops" is in a slightly smaller, bold, black font.

Grant Writing Workshops

- **How to Pursue Funding from Mission Agencies [Webinar]**
Monday, March 27 / 12-1:30pm / [Learn more >>](#)
- **NSF CAREER Program**
Thursday, March 30 / 8:30am-1:00pm / [Learn more >>](#)
- **NSF EPSCoR Research Infrastructure Improvement Programs - Track 2 and Track 4**
Thursday, March 30 / 1:30pm-3:30pm / [Learn more >>](#)
- **Pursuing Funding for Education Research [Webinar]**
Wednesday, April 19 / 12-1:30pm / [Learn more >>](#)

Student Research Day
Registration Closing March 23, 2023

Undergraduate and graduate students in all disciplines are encouraged to register for Student Research Day on April 18, 2023, to share their research and creative work through either an oral or poster presentation. Prizes are available for top presenters.



NDSU Student Research Day is a collaboration among NDSU EXPLORE, Gamma Sigma Delta, and the Graduate Student Council.

[Learn more and register >>](#)

We're Hiring: NDSU Research Foundation Executive Director

**WE ARE SEARCHING FOR OUR NEXT
NDSU RESEARCH FOUNDATION EXECUTIVE DIRECTOR**

The Executive Director will create impact and outcomes via NDSU research, including advancing the public benefit and commercialization potential of the research. This person will work collaboratively with the Board and NDSU to develop and champion a shared vision, establish organizational goals and metrics, create a strategic plan, and enhance partnerships with campus researchers and industry in support of commercialization and economic development.

Learn more and apply: <https://tinyurl.com/2vmt3c4m>

NDSU | RESEARCH AND CREATIVE ACT

[Learn more and apply>>](#)

**We're Hiring: Director of Innovation and Economic
Development**

WE ARE SEARCHING FOR OUR NEXT DIRECTOR OF INNOVATION & ECONOMIC DEVELOPMENT

The Director will design, lead, and manage economic development, leverage opportunities for industry partnerships, and nurture and advance the entrepreneurial (pre-) startup ecosystem.

The successful candidate will be involved at a hands-on level in these efforts as well as design, lead and manage a vision to enhance NDSU's activity and contributions in these efforts

Learn more and apply: <https://tinyurl.com/5hysykc2>

NDSU | RESEARCH AND CREATIVE ACTIVITIES

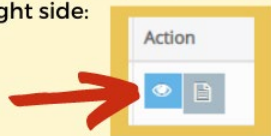
[Learn more and apply>>](#)

How do I get a copy of my protocol approval letter?

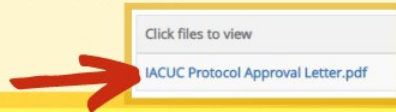
ANSWER:

1. Choose Correspondence from Panel Shortcuts on left (IACUC Correspondence, IBC Correspondence, IRB Correspondence).

2. Click on blue eye icon in the Action column on right side:



3. Click the link under Click Files to View to download letter:



Congratulations!

Your Proposal is being Funded – What Happens Next?

You've received notice that your proposal is being funded and are excited to begin working on your project...but you can't start spending quite yet. Before spending begins on a non-industry sponsored project, Sponsored Programs Administration (SPA) will review the award terms and conditions and complete any necessary negotiations.

Reviewing and negotiating of the award allows NDSU to protect a PI's publication and intellectual property rights. It protects NDSU against harmful or unmanageable stipulations; and ensures the agreement follows federal regulation, North Dakota

law, and NDSU policies and practices.

What are some common concerns during the review and negotiation process?

- Intellectual Property
- Publication Restrictions
- Indemnification and Liability
- Governing Law/Jurisdiction
- Confidential/Proprietary Information
- Payment/Invoicing Terms
- Export Controls
- Citizenship Restrictions

How long does the review and negotiation take?

SPA's goal is to perform an initial review of an award within 10 business days of receipt. Depending on the complexity of the review and negotiations, many awards can be signed the day of review and returned to the sponsor. Situations that involve a more complex review and / or require negotiating terms / conditions will take longer as they may require additional conversations with the PI and/or sponsor.

Once a fully executed award is received by SPA, the Grant and Contract Accounting office can begin setting up the budget for spending.

Fun Fact: You can review the negotiation process in Novelution! Simply look up the Novelution record and click on the 'Negotiation' option on the left side of the record. Choose the appropriate tab in the negotiation and you will find detailed information which will let you know the steps our office has taken to date in completing our review.

If you have questions, feel free to contact the Negotiator – we're here to help! You may also email our office at ndsu.research@ndsu.edu or check out [Managing an Award](#) on our website.

Stay Tuned...for a future article on Advanced Spending Requests!



The Advanced Research Projects Agency for Health (ARPA-H) released its first Open Broad Agency Announcement (Open BAA) and [announced](#) a wide range of agency actions, including the hiring of program managers (PMs) and mission office directors, selection of its first of three physical sites or Hubs, solicitation of the remaining two Hubs, and a new “ARPA-H Dash” competition soliciting ideas from the health, scientific, and technology communities. Modeled after the Defense Advanced Research Projects Agency (DARPA), ARPA-H was launched in March 2022 and is tasked with advancing high-risk, high-reward research with transformative potential to drive biomedical and health innovation.

- [Agency-wide Open BAA](#): Seeking funding proposals for research aiming to improve health outcomes across patient populations, communities, diseases, and health conditions, this BAA calls for proposals to outline breakthrough research and technological advancements.
- [ARPA-H Dash to Accelerate Health Outcomes](#): ARPA-H Dash is a collaborative online competition to solicit the best ideas in the country to enhance the ARPA-H mission. Submit your idea by April 7.



Institute of Education Sciences Summer Training Opportunities

The Institute for Education Sciences (IES) is supporting training institutes during summer 2023 that have upcoming application deadlines:

[Meta-Analysis Training Institute](#)

- Workshop dates: July 24 – 29, 2023

- Workshop location: Chicago, IL
- Application deadline: March 31, 2023

Summer Research Training Institute on Cluster-Randomized Trials

- Workshop dates: July 17 - 27, 2023
- Workshop location: Northwestern University
- Application deadline: March 31, 2023

Evidence-Based Intervention Training for Education

- Workshop dates: June 20-23, 2023
- Workshop location: Ohio State University
- Application deadline: March 31, 2023

Funding Opportunities

- [CDC: Centers for Disease Outbreak Analytics and Disease Modeling](#) – Forecasted Opportunity
- [DARPA: Multi-objective Engineering and Testing of Alloy Structures](#)
- [DEPSCoR: Research Collaboration](#)
- [DOE: Clean Hydrogen Electrolysis, Manufacturing and Recycling](#)
- [DOE: Industrial Efficiency and Decarbonization](#) – **LIMITED**
- [EDA: Economic Development Research & Evaluation and National Technical Assistance](#)
- [National Humanities Center: Residential Fellowships](#)
- [National Institute of Justice Opportunities](#)
- [ND EPSCoR: Emerging Seed Topics](#)
- [NEH: Digital Projects for the Public](#)
- [NEH: Preservation and Access Education and Training](#)
- [NIH: Entry-level Modules for Training the Genomics Research Workforce](#)
- [NIH: Instrumentation Grants](#) – **NOTIFICATION REQUESTED**
- [NIH: Ruth L. Kirschstein NRSA Institutional Research Training Grant](#)
- [NSF DCL: Radio Spectrum Sharing - The Human Environment](#)
- [NSF: Fluid Dynamics](#)
- [NSF: Spectrum and Wireless Innovation enabled by Future Technologies](#)
- [Sloan Centers for Systemic Change](#)

- [Spencer Foundation: Education Research](#)
- [USDA: Equipment Grant Program – LIMITED](#)
- [USDA: Higher Education Multicultural Scholars Program](#)
- [WTG Foundation: Research Grants on Reducing Inequality](#)

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: Carbon Capture Demonstration Projects Program](#)
Notification deadline: 03/21/2023
- [NEH: Infrastructure and Capacity Building Challenge Grants](#)
Notification deadline: 03/21/2023
- [DOE: Industrial Efficiency and Decarbonization](#)
Notification deadline: 03/23/2023
- [USDA-NIFA: Equipment Grants Program](#)
Notification deadline: 03/29/2023
NDSU Pre-application deadline: 04/05/2023
- [NSF: Expanding AI Innovation through Capacity Building and Partnerships](#)
Notification deadline: 04/05/2023

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.

- [Breast Cancer Alliance: Exceptional Projects Grants](#)
LOI deadline: 03/31/2023

- [Breast Cancer Alliance: Young Investigator Grants](#)
LOI deadline: 03/31/2023
- [NSF: Quantum Sensing Challenges for Transformational Advances in Quantum Systems \(QuSeC-TAQS\)](#)
Deadline: 04/3/2023
- [DRL: Ensuring Freedom of Expression for Vulnerable and Marginalized Populations Responding to Anti-Rights Efforts and Targeted Attacks](#)
Deadline: 04/05/2023
- [USDA: Women and Minorities in STEM](#)
Deadline: 04/19/2023
- [NSF: Partnerships for Innovation](#)
Deadline: 05/02/2023
- [NIH: Alzheimer's Disease Research Centers](#)
LOI deadline: 05/14/2023
- [NSF: IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments](#)
Deadline: 05/10/2023
- [NIH: Collaborative Program Grant for Multidisciplinary Teams](#)
Deadline: 05/26/2023

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CDC: Centers for Disease Outbreak Analytics and Disease Modeling – Forecasted Opportunity

This new [CDC cooperative agreement](#) will develop a network of innovators to design, prototype, test, and scale innovative capabilities for improving analytics, modeling and forecasting to support decision makers during outbreaks of infectious diseases (both known and newly emerging) in the United States. The purpose of this cooperative agreement program is to save lives through improving public health response to disease threats. The primary objective of the cooperative agreement is to enhance communication and collaboration between innovators, integrators, and implementers in analytic methods with public health partners at federal, state, territorial, local and tribal levels to improve outbreak response through outbreak analytics and disease modeling.

Partnership and collaboration between academia, public health, health care and the private sector is at the core of this funding opportunity.

Forecasted Deadline: June 13, 2023



DARPA: Multi-objective Engineering and Testing of Alloy Structures (METALS)

The Defense Sciences Office (DSO) at the Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals in the area of material testing and design optimization.

[METALS](#) aims to enable continuum material structures by leveraging recent advances in material testing and materials informatics. Novel full-field characterization methods now exist that can track test specimen behavior (e.g., deformation) with precise temporospatial detail. Applying these methods to non-conventional test specimens will enable the simultaneous extraction of multiple properties aided by inverse analysis techniques. In this approach, material properties are learned based on observed specimen response rather than attempting to model response based on traditional curated material property curves. METALS aims to demonstrate rapid acquisition of design-relevant properties through the combination of novel specimen designs, state-of-the-art full-field characterization techniques, and inverse analysis.

Deadline: June 9, 2023



DEPSCoR: Research Collaboration

The Department of Defense (DoD) announces the fiscal year 2023 [Defense Established Program to Stimulate Competitive Research](#) (DEPSCoR) – Research Collaboration (RC) opportunity.

DEPSCoR's objectives are to:

1. increase the number of university researchers in eligible States / Territories (including North Dakota) capable of performing science and engineering (S&E) research responsive to the needs of the DoD;
2. enhance the capabilities of institutions of higher education (IHE) in eligible States / Territories to develop, plan, and execute S&E research that is relevant to the mission of the DoD, and competitive under the peer-review systems used for awarding Federal research assistance; and
3. increase the probability of long-term growth in the competitively awarded financial assistance that IHE in eligible States receive from the Federal Government for S&E research.

White Paper Deadline: June 12, 2023



DOE: Clean Hydrogen Electrolysis, Manufacturing and Recycling

This funding opportunity [[DE-FOA-0002922](#)] provides funding for research, development, and demonstration to:

- Improve the efficiency, increase the durability, and reduce the cost of producing clean hydrogen using electrolyzers to less than \$2 per kilogram by 2026;
- Advance new manufacturing technologies and techniques for clean hydrogen production and use equipment, specifically for electrolyzer and fuel cell technologies; and
- Create innovative and practical approaches to increase the reuse and recycling of clean hydrogen and fuel cell technologies.

The topics of interest include:

- Low Cost, High-throughput Electrolyzer Manufacturing;
- Electrolyzer Component and Supply Chain Development;
- Advanced Electrolyzer Technology and Component Development;
- Fuel Cell Membrane Electrode Assembly and Stack Manufacturing and Automation;
- Fuel Cell Supply Chain Development; and
- Recovery and Recycling Consortium.

Concept Paper Deadline: April 19, 2023

DOE: Industrial Efficiency and Decarbonization – 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 2997 : Concept papers are due to DOE by April 17, 2023. If you are interested in applying to this program, [Notify RCA](#) by March 23, 2023, Include the topic area you are interested in submitting.

This funding opportunity [[DE-FOA-0002997](#)] is part of an integrated industrial decarbonization technology development strategy for DOE’s basic and applied research offices. Rooted in the principles identified in the 2022 Industrial Decarbonization Roadmap, DOE is building an innovation pipeline to accelerate the development and adoption of industrial decarbonization technologies with investments spanning foundational science; research, development, and demonstrations (RD&D); and technical assistance and workforce development.

Topics of interest include:

- Decarbonizing Industrial Heat
- Low-Carbon Fuels Utilization R&D
- Enabling Flexible Industrial Energy Use
- Enhanced Thermal Conductivity Materials
- Decarbonizing Chemicals
- Decarbonizing Iron and Steel
- Decarbonizing Food and Beverage Products
- Decarbonizing Cement and Concrete

LIMITED SUBMISSION: An entity may only submit one Concept Paper for each topic area of this Funding Opportunity Announcement.

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EDA: Economic Development Research & Evaluation and National Technical Assistance

The U.S. Economic Development Administration (EDA) provides strategic investments on a competitive merit basis to support economic development, foster job creation, and attract private investment in economically distressed areas of the United States. Under [this notice of funding opportunity \(NOFO\)](#), EDA solicits applications in order to provide investments that support research and technical assistance projects under EDA's R&E and NTA programs. Grants and cooperative agreements made under these programs are designed to leverage existing regional assets and support the implementation of economic development strategies that advance new ideas and creative approaches to advance economic prosperity in distressed communities.

Follow [this link](#) for EDA's Investment Priorities.

EDA encourages **cost sharing**, and applications that include matching funds may be more competitive than those that do not. Generally, the amount of an EDA award may not exceed 50 percent of the total cost of the project.

Deadline: Open until superseded

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National Humanities Center: Residential Fellowships

Each year, the [National Humanities Center](#) welcomes up to forty scholars from across the humanities and all over the world. During their time in residence, Fellows are given the freedom to work on their projects while benefiting from the services of the Center.

Applicants must have a doctorate or equivalent scholarly credentials. Mid-career and senior scholars are encouraged to apply. Emerging scholars with a strong record of peer-reviewed work may also apply. The Center does not support the revision of doctoral dissertations. In addition to all fields of the humanities, the Center accepts applications from scholars in the natural and social sciences, the arts, the professions, and public life who are engaged in humanistic projects.

Deadline: October 5, 2023

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National Institute of Justice Opportunities

The National Institute of Justice (NIJ) has a number of open funding opportunities with upcoming deadlines, including:

- **Research and Evaluation on Sentencing and Resentencing** [[O-NIJ-2023-171637](#)]
Deadline: May 16, 2023
- **Research on Juvenile Justice Topics** [[O-NIJ-2023-171662](#)]
Deadline: May 29, 2023
- **Youth Mentoring Research and Evaluation** [[O-NIJ-2023-171663](#)]
Deadline: May 30, 2023

For a full list of opportunities from NIJ please visit: <https://nij.ojp.gov/funding/current>

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ND EPSCoR: Emerging Seed Topics

ND EPSCoR is soliciting Emerging Seed proposals in the areas that spin-off of or are emerging research area that can expand the reach and capacity of the NSF EPSCoR funded award entitled New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES) (see below). More information about eligibility and responding to this solicitation can be found in the attached pdf or in the [Funding Opportunities – Researchers](#) section of the ND EPSCoR website.

Emerging Seed Topics:

- Imaging Techniques for Cell Growth in Testbeds
- Multimedia Art Modules for Explaining CCBSE Science
- Inclusion of Additional Cell Types and Fluid Flow Conditions in Testbeds

- Innovation Pilot Funding and Translational Seed Research that Fit the CCBSE Mission
- Self-assembly Technologies for Tissue Engineering
- New Biomaterials in Tissue Engineering and Advanced Manufacturing of Biomaterials
- Novel Biobased Specialty Crop Extracts for Anticancer Therapy Applications

Deadline: April 3, 2023



NEH: Digital Projects for the Public

The [Digital Projects for the Public](#) program supports projects that interpret and analyze humanities content in primarily digital platforms and formats, such as websites, mobile applications and tours, interactive touch screens and kiosks, games, and virtual environments.

All Digital Projects for the Public projects should:

- Present analysis that deepens public understanding of significant humanities ideas;
- Incorporate sound humanities scholarship;
- Involve humanities scholars in all phases of development and production;
- Include appropriate digital media professionals;
- Reach a broad public through a realistic plan for development, marketing, and distribution;
- Create appealing digital formats for the general public; and
- Demonstrate the capacity to sustain themselves.

All projects should demonstrate the potential to attract a broad, general, non-specialist audience, either online or in person at venues such as museums, libraries, or other cultural institutions. Applicants may also choose to identify particular communities and groups, including students, to whom a project may have particular appeal.

Deadline: June 14, 2023



NEH: Preservation and Access Education and Training

This [program](#) supports projects that develop and implement educational programs for professionals who preserve and provide access to humanities collections. Such materials include but are not limited to paper-based, photographic, archaeological, ethnographic, artistic, audiovisual, digitized, and born-digital collections. Advancing long-term access to these materials for scholars, students, and the public requires skilled professionals from varied backgrounds and communities working in organizations large and small.

Project activities must support one or a combination of the following programmatic areas:

- **Field services, networks, or consortia** that offer training and educational resources and services to professionals
- **Continuing education opportunities** that provide professionals with extended or specialized training in new or current preservation and access topics
- **Student and early career programs** focused on building skills in preservation and access for cultural heritage collections.

Deadline: May 16, 2023

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NIH: Entry-level Modules for Training the Genomics Research Workforce (R25-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 the Entry-level Modules for Training the Genomics Research Workforce [[PAR-23-123](#)] is to support educational activities that complement and/or enhance the training of a diverse workforce, which includes individuals from backgrounds that are not well represented in biomedical research (see [NIH Interest in Diversity](#)), to meet the nations biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development.

The purpose of this Funding Opportunity is twofold:

1. Develop, implement, and evaluate modules of genomics-related curriculum for the diverse entry-level biomedical research workforce by supporting lead sites teamed with partner sites, such as community, technical, or tribal colleges; and

2. Support and facilitate opportunities for the entry-level research workforce to enhance diversity in genomics. The training modules will be made freely available, at no cost to the broader community.

Deadline: June 1, 2023

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NIH: Instrumentation Grants

The objective of the NIH Instrumentation Grant Programs is to make available to institutions high-end research instruments that can only be justified on a shared-use basis and that are needed for NIH-supported projects in basic, translational, and clinical biomedical or biobehavioral research. Applications from groups of NIH-supported investigators to purchase or upgrade a single item of high-end, specialized, commercially available instruments or integrated systems are encouraged.

The **Shared Instrumentation Grant (SIG)** [[PAR-22-080](#)] Program has a minimum award of \$50,000. There is no maximum price limit for the instrument; however, the maximum award is \$600,000.

The **High-End Instrumentation (HEI)** [[PAR-22-079](#)] Grant Program has a minimum award of \$600,001. There is no maximum price limit for the instrument; however, the maximum award is \$2,000,000.

There is no restriction on the number of applications an institution can submit to the Shared Instrumentation Grant (SIG) and the HEI Programs each year, provided the applications request different types of equipment.

To prevent duplication, [notify RCA](#) by April 20, 2023, if you are interested in submitting to this program. Include the instrument / equipment you propose to acquire in your notification.

NOTE: NDSU is not eligible for the Basic Instrumentation Grant Program [[PAR-22-081](#)]

Deadline: June 1, 2023

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NIH: Ruth L. Kirschstein NRSA Institutional Research Training Grant (T32)

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) [\[PA-23-048\]](#) Institutional Research Training Grants (T32) to eligible, domestic institutions to develop and/or enhance predoctoral and postdoctoral research training, including short-term research training, to help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation's biomedical, behavioral, and clinical research agenda. Research training programs are expected to incorporate engaging, didactic, research, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation.

Upcoming Deadlines: May 25, September 25

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NSF DCL: Radio Spectrum Sharing - The Human Environment

The purpose of this Dear Colleague Letter (DCL) [\[NSF 23-065\]](#) is to inform researchers in the social, behavioral and economic sciences (SBE) of a funding opportunity under the [Spectrum Innovation Initiative](#) (SII) of the National Science Foundation (NSF). The electromagnetic spectrum has disparate users including commercial companies (wireless communication, navigation, etc.), scientists (radio astronomy, geospace sciences, etc.), air traffic controllers and first responders. A major objective of the SII, pursued through its [National Radio Dynamic Zones](#) (SII-NRDZ) program, is to advance dynamic and agile sharing of the electromagnetic spectrum. The term dynamic and agile sharing refers to methods enabling electromagnetic spectrum users to safely operate closer together in space or frequency or to safely alternate spectrum access more rapidly than is possible with the geographic exclusive licenses used in traditional spectrum management. Widespread use of dynamic and agile spectrum sharing is essential to mitigate spectrum congestion problems that constrain growth in many sectors of society and the economy.

Through this DCL, NSF invites both proposals and requests for supplements to active NSF awards. Both proposals and supplemental funding requests should focus on research that helps advance the use of dynamic spectrum sharing by studying its human environment, which includes studying the economic, social, and incentive issues associated with:

- adoption by private and public sector entities;
- understanding by and support from the general population; and
- paths to overcome barriers to deployment and use.

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NSF: Fluid Dynamics

The Fluid Dynamics program [[PD 23-1443](#)] supports fundamental research toward gaining an understanding of the physics of various fluid dynamics phenomena. Proposed research should contribute to basic scientific understanding using and/or creating innovative experimental, theoretical, and/or computational methods.

Major areas of interest and activity in the program include:

- Turbulence and Transition
- Bio-Fluid Physics
- Non-Newtonian Fluid Mechanics
- Microfluidics and Nanofluidics
- Wind and Ocean Energy Harvesting
- Fluid-Structure Interactions (FSI)
- Canonical Configurations
- Artificial Intelligence (AI)/Machine Learning
- Instrumentation and Flow Diagnostics

Deadline: Proposals accepted ANYTIME

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NSF: Spectrum and Wireless Innovation enabled by Future Technologies

The National Science Foundation's Directorates for Mathematical & Physical Sciences (MPS), Computer and Information Science and Engineering (CISE), Engineering (ENG), and Geosciences (GEO) are coordinating efforts to identify new concepts and ideas on Spectrum and Wireless Innovation enabled by Future Technologies (SWIFT) [[NSF 23-567](#)]. A key aspect of the SWIFT program, now in its fourth year, is its focus on effective spectrum utilization and/or coexistence techniques, especially with passive uses, which

have received less attention from researchers. Coexistence is when two or more applications use the same frequency band at the same time and/or at the same location, yet do not adversely affect one another. Coexistence is especially difficult when at least one of the spectrum users is passive, i.e., not transmitting any radio frequency (RF) energy. Within the general area of the SWIFT program, this SWIFT-SAT solicitation focuses on satellite-terrestrial coexistence and covers both radio-spectrum and optical-wavelength coexistence.

The goal of these research projects may be the creation of new technology or significant enhancements to existing wireless infrastructure, with an aim to benefit society by improving spectrum utilization and ancillary challenges, beyond mere spectrum efficiency. The SWIFT program encourages collaborative team research that transcends the traditional boundaries of individual disciplines.

Deadline: June 5, 2023



Sloan Centers for Systemic Change

Sloan Centers for Systemic Change [seed grants](#) will allow institutions to put in place new projects—and strengthen existing ones—to improve participation rates, experiences, and outcomes for Black, Indigenous, and Latina/o/x populations, as for all students. This work will pursue systemic change at the university, college, and departmental levels, and as such, project designs will incorporate cross-departmental collaboration and leadership as primary drivers of project activities. Long-term institutional investments made through SCSC will catalyze and deepen systemic change activities in graduate programs nationwide.

Pre-proposal deadline: May 5, 2023



Spencer Foundation: Education Research

The Spencer Foundation has a number of open funding opportunities with upcoming deadlines, including:

- [Racial Equity Research Grant](#)
Intent to Apply Deadline: May 16, 2023 12PM
- [Research Grants on Education: Large](#)
Intent to Apply Deadline: April 27, 2023 12PM
- [Research Grants on Education: Small](#)
Full Proposal Deadline: April 5, 2023 12PM
- [Research-Practice Partnerships: Collaborative Research for Educational Change](#)
Intent to Apply Deadline: Early-November, 2023

For a full list of opportunities from The Spencer Foundation please visit:

<https://www.spencer.org/why-we-grant>

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USDA-NIFA: Equipment Grant Program – 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.

USDA EGP : [Notify RCA](#) by March 29, 2023, if you are interested in applying to this program. [Pre-proposals](#) will be due April 5, 2023, at noon (12pm).

The [USDA-NIFA Equipment Grant Program](#) serves to increase access to shared-use special purpose equipment / instruments for fundamental and applied research for use in the food and agricultural sciences programs at institutions of higher education, including State Cooperative Extension Systems. The program seeks to strengthen the quality and expand the scope of fundamental and applied research at eligible institutions, by providing them with opportunities to acquire one major piece of equipment / instruments that support their research, training, and extension goals and may be too costly and / or not appropriate for support through other NIFA grant programs.

The EGP does not support the acquisition of suites of equipment to outfit research laboratories / facilities or to conduct independent experiments simultaneously. Similarly, the EGP does not fund common, general purpose ancillary equipment that would normally be found in a laboratory and / or is relatively easily procured by the organization or through other NIFA grant programs. Rather, it is intended to help fund items of equipment that will upgrade infrastructure. Moreover, EGP does not fund research projects, including research that uses the equipment acquired with support from the program nor does it support the operation and maintenance of facilities.

LIMITED SUBMISSION: NDSU is allowed two proposals to this program.



USDA: Higher Education Multicultural Scholars Program

The purpose of the [Higher Education Multicultural Scholars Program](#) (MSP), is to provide scholarships to support recruiting, engaging, retaining, mentoring, and training committed multicultural scholars, resulting in either baccalaureate degrees within the food and agricultural science disciplines. The goals and objectives of the scholarships are to encourage outstanding students from groups that are historically underrepresented and underserved to pursue and complete baccalaureate degrees in food and agricultural sciences that would lead to a diverse and highly skilled work force. This may or may not include the teaching and preservation of traditional ecological knowledge.

USDA-NIFA is soliciting applications for student education that will:

1. Prepare graduates to meet the demand for highly qualified personnel entering the workforce related to the food and agricultural sciences;
2. Support more undergraduates in transitioning to graduate education in USDA mission sciences;
3. Contribute to the reduction of the disparity among underrepresented and underserved populations entering graduate schools to better reflect the demographics of the U.S. and enable higher education to remain globally competitive;

4. Promote student success within food and agricultural disciplines at the undergraduate level; and
5. Focus on social support structure, and professional mentoring to ensure entry into food and agricultural science areas and completion of graduate education or high level of competitiveness for the workforce.

Deadline: May 12, 2023

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WTG Foundation: Research Grants on Reducing Inequality

This [program](#) supports research to build, test, or increase understanding of programs, policies, or practices to reduce inequality in the academic, social, behavioral, or economic outcomes of young people ages 5-25 in the United States. The William T. Grant Foundation prioritizes studies that aim to reduce inequalities that exist along dimensions of race, ethnicity, economic standing, language minority status, or immigrant origins.

Deadline: May 3, 2023

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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 ndsuh.researchdev@ndsuh.edu.

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

[Contact Us](#)



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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.