

# RCA UPDATE

March 29, 2021

## Funding Opportunity Edition

### Instrumentation Programs

There are several open federal funding opportunities for equipment and instrumentation acquisition:

- **Defense University Research Instrumentation Program (DURIP)** [learn more >>](#)
- **NIH Basic Instrumentation Grant Program - LIMITED SUBMISSION** [learn more >>](#)
- **NIH High-End Instrumentation Grant Program** [learn more >>](#)
- **NIH Shared Instrumentation Grant Program** [learn more >>](#)

### Update: FM Area Foundation Grant Cycles

The FM Area Foundation has recently opened their grant cycles for 2021. With COVID-19, their focus will be on providing general operating support / existing program support for nonprofit organizations in our community as they work towards getting back on their feet post pandemic. **The Foundation will not be opening their grant cycles to universities at this time.**

## 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 [ndsuh.researchdev@ndsuh.edu](mailto:ndsuh.researchdev@ndsuh.edu).

If you identify a limited submission opportunity that is not on the list below, please notify [ndsuh.researchdev@ndsuh.edu](mailto:ndsuh.researchdev@ndsuh.edu).

- [DOE: Data-Intensive Scientific Machine Learning and Analysis](#)  
*First to Notify*
- [DOE: EXPRESS - Randomized Algorithms for Extreme-Scale Science](#)  
*First to Notify*
- [NIH: Research Training in Biomedical Informatics and Data Science](#)  
*First to Notify*
- [NIH: Basic Instrumentation Grant \(BIG\) Program](#)  
*Notification Deadline: 03/31/2021*
- [VentureWell Faculty Grants](#)  
*Notification Deadline: 03/31/2021*
- [NSF Research Traineeship \(NRT\) Program](#)  
*Notification Deadline: 04/07/2021*
- [NIH: NIDDK Career Development of Scientists from Diverse Backgrounds](#)  
*Notification Deadline: 04/08/2021*
- [NEA: Grants for Arts Projects](#)  
*Notification Deadline: 04/21/2021*
- [Retirement Research Foundation](#)  
*Notification Deadline: 04/21/2021*

There are a number of limited submission grant programs with upcoming agency deadlines for which we did not receive any notifications of interest. A full list of those programs is available on the [Limited Submissions page](#). For these programs, marked "First to Notify," approval to move forward with a full proposal submission to the funder will be given on a first come, first served basis. Email notifications of interest to [ndsuh.researchdev@ndsuh.edu](mailto:ndsuh.researchdev@ndsuh.edu).

## FUNDING OPPORTUNITIES

- [CDMRP: Peer Reviewed Cancer Research Program](#)
- [Defense University Research Instrumentation Program](#)
- [DoD: Multidisciplinary Research Program of the University Research Initiative](#)
- [DOE: Data-Intensive Scientific Machine Learning and Analysis](#)
- [DOE: EXPRESS – Randomized Algorithms for Extreme-Scale Science](#)
- [High Plains Intermountain Center for Agricultural Health and Safety: Pilot Grants](#)
- [Medica Foundation: Behavioral, Early Childhood, and Rural Health](#)
- [NASA: Research Opportunities in Space and Earth Sciences](#)
- [NEA / Creative Forces: Art Therapy and Music Therapy with Military Populations](#)
- [NEA: Grants for Arts Projects](#)
- [NIH: Basic Instrumentation Grant Program](#)
- [NIH: High-End Instrumentation Grant Program](#)
- [NIH: Shared Instrumentation Grant Program](#)
- [NIH: NLM Institutional Grants for Research Training in Biomedical Informatics and Data Science](#)
- [NIH: NIDDK Career Development of Scientists from Diverse Backgrounds](#)
- [NSF: Broadening Participation in Computing](#)
- [NSF: Research Traineeship](#)
- [Retirement Research Foundation](#)
- [USDA: \*\*UPDATED\*\* - Agriculture and Food Research Initiative Foundational and Applied Science](#)
- [USDA-AMS: Federal-State Marketing Improvement Program](#)

## EVENTS

- [NSF CAREER Proposal Development Program](#)
- [Center for Bioplastics and Biocomposites Webinar - Bioadvantaged Monomers for the Production of Function-Tailorable Polyamids](#)
- [Virtual Conference - Artificial Intelligence and the Humanities](#)
- [NDSU EXPLORE Showcase of Undergraduate Research and Creative Activity](#)
- [Communicating Science Seminars](#)
- [SharpHub Webinar - ABC of SBIR / STTR Funding](#)
- [NASEM Workshop - Strategies for Effective Data Managing and Sharing](#)
- [Dakota Cancer Collaborative on Translational Activity \(DaCCoTA\) Virtual Symposium](#)

## Looking for more funding opportunities?



On January 1, NDSU transitioned to a new funding opportunity database subscription: SPIN by InfoEd Global. SPIN is free for current NDSU faculty, staff, and students.

For more information, visit the [SPIN page](#) on the RCA website. If you have questions, please contact [ndsu.researchdev@ndsu.edu](mailto:ndsu.researchdev@ndsu.edu).

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## CDMRP: Peer Reviewed Cancer Research Program

The Department of Defense (DoD) Congressionally Directed Medical Research Programs (CDMRP) [Peer Reviewed Cancer Research Program](#) has released the FY21 Requests for Proposals (RFP). The topic areas include:

- Bladder cancer
- Blood cancers
- Liver cancer
- Metastatic cancers
- Stomach cancer
- Thyroid cancer

For a full list of topic areas, see the [RFPs](#).

*Deadlines vary by RFP.*



## Defense University Research Instrumentation Program (DURIP)

DoD's DURIP is designed to improve the capabilities of accredited U.S. higher education institutions to conduct research and to educate scientists and engineers

in areas important to national defense by providing funds for the acquisition of research equipment or instrumentation. A DURIP award provides between \$50,000 and \$1,500,000 for the purchase of major equipment or instrumentation.

The three agencies that administer the award are the [Army Research Office \(ARO\)](#), the [Office of Naval Research \(ONR\)](#), and the [Air Force Office of Scientific Research \(AFOSR\)](#).

A variety of research and technology areas are reflected in each agency's Broad Area Announcements. Examples include biomaterials and bionanotechnology, human sciences, energy efficient electronics and photonics, aerospace composite materials, quantum sciences, corrosion control technologies, machine learning, artificial intelligence, materials and processes for additive manufacturing.

Applicants are encouraged to contact the Program Managers in the BAAs before submitting proposals to explore research areas of mutual interest. *The deadline for inquiries and questions is Friday, April 23, 2021.*

Cost sharing is not required. Applicants should take note of any amendments that may modify the announcement. The amendments are posted on the [Grants.gov](#) webpage. The funding opportunity number is [FOA-AFRL-AFOSR-2021-0002](#).

*Full Proposal Deadline: May 14, 2021*



## **DoD: Multidisciplinary Research Program of the University Research Initiative**

The Department of Defense (DoD) Multidisciplinary University Research Initiative (MURI), one element of the University Research Initiative (URI), is sponsored by the DoD research offices. Those offices include the Office of Naval Research (ONR), the Army Research Office (ARO), and the Air Force Office of Scientific Research (AFOSR).

The MURI program supports basic research in science and engineering at U.S. institutions of higher education (hereafter referred to as "universities") that is of potential interest to

DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD, including:

- Social Network-Transcendent Behavioral Dynamics
- Understanding Neural Systems Integration for Competent Autonomy in Decision and Control
- Composability of Synthetic Biological Circuits
- Connectivity and Transport in Disordered Hyperuniform Networks
- Self-learning for Real-world Perception
- Bioinspired Design of Energy-Self Sufficient Multi-functional Soft Material Systems

For a full list of topic areas, view the [funding opportunity announcement](#).

*White paper deadline: June 7, 2021*

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## **DOE: Data-Intensive Scientific Machine Learning and Analysis – 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 EXPRESS : [Notify RCA](#) if you are interested in submitting to this program. Approval to submit will be given to the first to notify.**

The Department of Energy (DOE) Office of Science (SC) program in Advanced Scientific Computing Research (ASCR) is interested in receiving research applications to explore potentially high-impact approaches in the development and use of artificial intelligence (AI) and machine learning (ML) for scientific insights from massive data generated by simulation, experiments, and observations. [[DE-FOA-0002493](#)]

**LIMITED SUBMISSION:** No more than two pre-applications are allowed per institution; no more than one pre-application is allowed per PI.

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## **DOE: EXPRESS – Randomized Algorithms for Extreme-Scale Science – 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 EXPRESS :** Notify RCA if you are interested in submitting to this program. **Approval to submit will be given to the first to notify.**

The Department of Energy (DOE) Office of Science (SC) program in Advanced Scientific Computing Research (ASCR) is interested in receiving research applications to explore potentially high-impact approaches in the development and use of randomized algorithms for scientific computing and extreme-scale science. [DE-FOA-0002497]

**LIMITED SUBMISSION:** No more than three pre-applications are allowed per institution; no more than one pre-application is allowed per PI.

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## **High Plains Intermountain Center for Agricultural Health and Safety: Pilot Grants**

The High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) Pilot Grants Program funds innovative research projects that promote worker health and safety in the agriculture, forestry, or fishing industries. Currently, HICAHS is seeking proposals for awards up to \$25,000 for the project period September 2021 - August 2022. Projects that directly impact the HICAHS region (Colorado, Montana, North Dakota, South Dakota,

Utah, and Wyoming) are prioritized.

*Deadline: June 1, 2021*

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## **Medica Foundation: Behavioral, Early Childhood, and Rural Health**

The Medica Foundation seeks to improve health by funding initiatives that are innovative in how care is delivered and have a high likelihood of creating long-term change. The Foundation's grant funding focuses on behavioral health initiatives, early childhood health, and rural health. The Foundation's primary service area is North Dakota, South Dakota, and Minnesota.

[Learn more about their currently open funding opportunities >>](#)

*Deadlines vary by program area.*

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## **NASA: Research Opportunities in Space and Earth Sciences (ROSES) 2021**

The National Aeronautics and Space Administration (NASA) Science Mission Directorate (SMD) has released its annual NASA Research Announcement (NRA), [Research Opportunities in Space and Earth Sciences \(ROSES\) – 2021](#). ROSES is an omnibus NRA, with many individual program elements, each with its own due dates and topics. Topics include:

- [Materials Science](#)
- [Physical Sciences Informatics](#)
- [Biophysics](#)
- [Earth Science Applications: Ecological Forecasting](#)
- [Terrestrial Ecology](#)
- [Earth Science Applications: Water Resources](#)

[View a complete list of topics >>](#)

*Application deadlines vary by program.*

## **NEA / Creative Forces: Feasibility / Pilot Studies in Art Therapy and Music Therapy with Military Populations**

Over the next five years, Creative Forces intends to provide \$2.5 million in new research funding to support feasibility/pilot studies and subsequent randomized-controlled trials (RCTs) or other large-scale studies to address priority research questions identified by Creative Forces in art therapy and music therapy.

Creative Forces is initially issuing [two Requests for Applications \(RFAs\)](#) for feasibility/pilot studies: Art Therapy Research with Military Populations, and Music Therapy Research with Military Populations. Up to four subawards will be made across these two announcements, for up to \$325,000 per subaward in support of feasibility/pilot studies of 18-24 months in duration.

The RFAs are available online now at the links below:

- [Art Therapy RFA \[CF-2021-AT-001\]](#)
- [Music Therapy RFA \[CF-2021-MT-001\]](#)

Important Dates:

- April 1, 11am: Virtual program discussion [RSVP>>](#)
- June 9, 4pm: End of email question period. (Questions will still be accepted by phone through June 14).
- June 16, 2pm: Application deadline.

### **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 April 21, 2021 at 5pm if you are interested in submitting to this program.**

[Grants for Arts Projects](#) is the National Endowment for the Arts' principal grants program for organizations based in the United States. Through project-based funding, the program supports public engagement with, and access to, various forms of art across the nation, the creation of excellent art, learning in the arts at all stages of life, and the integration of the arts into the fabric of community life. The Arts Endowment encourages projects that use the arts to unite and heal in response to current events, as well as address any of the following:

- Celebrate America's creativity and/or cultural heritage.
- Invite a dialogue that fosters a mutual respect for the diverse beliefs and values of all persons and groups.
- Enrich our humanity by broadening our understanding of ourselves as individuals and as a society.

**LIMITED SUBMISSION:** An organization may submit only one application under these FY 2022 Grants for Arts Projects guidelines.

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## **NIH: Basic Instrumentation Grant (BIG) 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.

**NIH BIG : [Notify RCA](#) by 03/31/2021 at 5pm if you are interested in submitting to this program.**

The Basic Instrumentation Grant (BIG) Program [[PAR-21-125](#)] encourages applications from groups of NIH-supported investigators to purchase a single high-priced, specialized, commercially available instrument or an integrated

instrumentation system. The BIG Program is limited to institutions that have not received S10 instrumentation funding of \$250,001 or greater in any of the Federal fiscal years 2018-2020. The minimum award is \$25,000. There is no maximum price limit for the instrument; however, the maximum award is \$250,000. Instruments supported include, but are not limited to, basic cell sorters, confocal microscopes, ultramicrotomes, gel imagers, or computer systems.

**LIMITED SUBMISSION:** Only one BIG application per institution is allowed per due date.

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## **High-End Instrumentation Grant Program (S10, Clinical Trial Not Allowed)**

The High-End Instrumentation (HEI) Grant Program [[PAR-21-126](#)] encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of high-end, specialized, commercially available instruments or integrated systems. The minimum award is \$600,001. There is no maximum price limit for the instrument; however, the maximum award is \$2,000,000. Instruments supported include, but are not limited to, biomedical imagers, high throughput robotic screening systems, X-ray diffractometers, mass spectrometers, nuclear magnetic resonance (NMR) spectrometers, DNA and protein sequencers, biosensors, electron and light microscopes, and cell sorters.

*Full Proposal Deadline: June 1, 2021*

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## **NIH: Shared Instrumentation Grant Program (S10, Clinical Trial Not Allowed)**

The Shared Instrumentation Grant (SIG) Program [[PAR-21-127](#)] encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of high-priced, specialized, commercially available instruments or integrated instrumentation system. The minimum award is \$50,000. There is no maximum price limit for the instrument; however, the maximum award is \$600,000. Instruments supported include, but are not limited to: X-ray diffractometers, mass spectrometers, nuclear magnetic resonance (NMR) spectrometers, DNA and protein sequencers, biosensors, electron and light microscopes, cell sorters, and biomedical imagers.

*Full Proposal Deadline: June 1, 2021*



## **NIH: NLM Institutional Grants for Research Training in Biomedical Informatics and Data Science (T15 Clinical Trial Not Allowed) – 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.

**NIH NLM : [Notify RCA](#) if you are interested in submitting to this program. Approval to submit will be given to the first to notify.**

This Funding Opportunity Announcement (FOA) [[RFA-LM-21-001](#)] invites training grant applications for support of predoctoral and postdoctoral training for research careers in biomedical informatics and data science. Applications may be for the creation of entirely new programs or for the renewal of existing National Library of Medicine (NLM) training programs. Such training helps meet the growing need for investigators trained in biomedical computing, data science and related information fields as they directly relate to application domains in health and biomedicine, including health care delivery, basic biomedical research, clinical and translational

research, public health surveillance, consumer health and similar areas.

This FOA does not allow appointed Trainees to lead an independent clinical trial, but does allow them to obtain research experience in a clinical trial led by a mentor or co-mentor.

**LIMITED SUBMISSION:** Only one application per institution is allowed.

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## **NIH: Program to Advance the Career Development of Scientists from Diverse Backgrounds Conducting Nutrition, Obesity, Diabetes, and Related Research (U24 Clinical Trial Optional) – 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.

**NIH NLM : Notify RCA by 04/08/2021 at 5pm if you are interested in submitting to this program.**

The purpose of this Funding Opportunity Announcement (FOA) [RFA-DK-20-034] is to enhance the diversity of the research workforce who are available to successfully compete for independent research funding from NIH in the areas of nutrition, obesity, diabetes, and related conditions. This program will establish a consortium providing professional development, mentoring, networking, pilot and feasibility funds, and other opportunities designed to advance the career development of post-doctoral scholars and early career faculty from diverse backgrounds, including those from groups nationally underrepresented in biomedical and behavioral research, who intend to pursue a research career focused on nutrition, obesity, diabetes, and / or related conditions. The program will be administered through research institutions with substantial existing NIH funding within the research

mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK).

**LIMITED SUBMISSION:** Only one application per institution is allowed.

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## **NSF: Broadening Participation in Computing**

The Broadening Participation in Computing (BPC) program [[NSF 21-571](#)] aims to significantly increase the number of U.S. citizens and permanent residents receiving post-secondary degrees in the computing disciplines, and to encourage participation of other underrepresented groups in the discipline. These groups may include women, persons with disabilities, Blacks and African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders. With this solicitation, the BPC program seeks to engage the computing community to develop and implement innovative methods, frameworks, and strategies to improve recruitment and retention of these students through undergraduate and graduate degrees. Projects that target stages of the academic pipeline through faculty ranks are encouraged. All BPC projects must have the potential for widespread, national impact. That is, they should either develop an effective practice that could be widely deployed, or they should deploy existing effective practices to reach larger audiences.

The BPC program will support three categories of awards: Alliances, Demonstration Projects, and Supplements.

**Alliances** are broad coalitions of academic institutions of higher learning, K-12 schools, government, industry, professional societies, and other not-for-profit organizations that design and carry out comprehensive programs addressing underrepresentation in the computing disciplines. They have a large regional or national scope. Alliances operate across multiple stages of the academic pipeline and address one or several intended groups that are underrepresented. Collectively, Alliances serve as a national resource for achieving the transformation of computing education.

**Demonstration Projects (DPs)** are more focused than Alliance projects. Typical DPs pilot innovative programs that, once fully developed, could be incorporated into the activities

of an existing or new Alliance, or otherwise scaled up for widespread impact. Examples include projects proposed by a single institution or those that focus on a single underrepresented community, a single point in the academic pathway, or a single impediment to full participation in computing. Demonstration projects should contribute knowledge to our understanding of effective teaching and learning of computing for students from groups underrepresented in computing.

Both Alliances and Demonstration Projects have significant evaluation efforts with both formative and summative components. Competitive projects will have significant impact both in the quality of opportunities afforded to participants and in the number of participants potentially served.

**Supplements** to existing CISE research awards are intended to engage more members of the computing research community in significant BPC efforts as part of a project's BPC plan.

*Upcoming deadlines: June 14, 2021; January 20, 2022*



## **NSF: NSF Research Traineeship (NRT) – 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 NRT : [Notify RCA](#) by 04/07/2021, 5:00 p.m. if you are interested in submitting to this program or planning to be part of a collaborative submission to this program.**

The National Science Foundation (NSF) Research Traineeship (NRT) program [[NSF 21-536](#)] is designed to encourage the development and implementation of bold, new, and potentially transformative models for STEM graduate education training. The NRT program seeks proposals that explore ways for graduate students in research-based masters and doctoral degree programs to develop the skills,

knowledge, and competencies needed to pursue a range of STEM careers. The program is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs. The NRT program addresses workforce development, emphasizing broad participation, and institutional capacity building needs in graduate education. Strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, informal science centers, and academic partners are encouraged.

*The next agency deadline for this program is September 6, 2021.*

**LIMITED SUBMISSION:** An eligible organization may participate in only two (2) proposals per NRT competition as lead or collaborative non-lead. All Track 1 and / or Track 2 NRT proposals will be counted toward this total limit of two proposals per organization. **Participation includes serving as a lead organization or non-lead organization on any proposal.** Organizations participating only as evaluators on projects are excluded from this limitation.

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## **Retirement Research Foundation – 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.

**RRF : Notify RCA by 04/21/2021, 5:00 p.m. if you are interested in submitting to this program for the August deadline (Letter of Intent due June 15).**

The Retirement Research Foundation (RRF) funds research that seeks to identify interventions, policies and practices to improve the well-being of older adults and /

or their caregivers. Preference is given to projects aimed at generating practical knowledge and guidance that can be used by advocates, policy-makers, providers, and the aging network. Of particular interest are:

- Interventional trials; translational studies; and health services and policy research;
- Projects that build on the investigator's past studies;
- Proposals that include robust dissemination plans, if appropriate, to assure that findings reach audiences positioned to act on them.

**LIMITED SUBMISSION:** Only one proposal / letter of inquiry is allowed per department per grant cycle.

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## **USDA: UPDATED - Agriculture and Food Research Initiative Foundational and Applied Science**

**UPDATED 3/16: A new focus area has been added to the Plant Health and Production and Plant Products Priority Area: Conventional Plant Breeding for Cultivar Development**

The Agriculture and Food Research Initiative (AFRI) Foundational and Applied Science Program supports grants in six AFRI priority areas to advance knowledge in both fundamental and applied sciences important to agriculture. The six priority areas are:

1. Plant Health and Production and Plant Products;
2. Animal Health and Production and Animal Products;
3. Food Safety, Nutrition, and Health;
4. Bioenergy, Natural Resources, and Environment;
5. Agriculture Systems and Technology; and
6. Agriculture Economics and Rural Communities.

Research-only, extension-only, and integrated research, education and / or extension projects are solicited in this [Request for Applications \(RFA\)](#).

*Deadlines vary by program area*

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## USDA-AMS: Federal-State Marketing Improvement Program

The USDA Agricultural Marketing Service (AMS) [Federal-State Marketing Improvement Program \(FSMIP\)](#) offers grants with a one-to-one dollar match to assist in exploring new market opportunities for U.S. food and agricultural products, and to encourage research and innovation aimed at improving the efficiency and performance of the marketing system. FSMIP funds a wide range of applied research projects that address barriers, challenges, and opportunities in marketing, transportation, and distribution of U.S. food and agricultural products domestically and internationally.

*Deadline: May 24, 2021*

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## NSF CAREER Proposal Development Program

The National Science Foundation (NSF) Faculty Early Career Development ([CAREER](#)) Program is a prestigious grant award program that supports early career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research.

The NDSU Office of Research and Creative Activity is offering some NSF CAREER-focused, virtual sessions over the next couple of months to assist potential applicants with preparing competitive proposals.

- **Introduction to the NSF CAREER Program [March 30, 2021 - 12pm (noon)]**

This session will include an overview of the NSF CAREER program, proposal requirements, planning for an application, and opportunities for Q&A.

*Presenter: Christine Strohm, Ph.D. - grant writing consultant*

- **Broader Impacts and Intellectual Merit [April 14, 2021 - 12pm (noon)]**

This session will focus on NSF's [merit review criteria](#), and how to effectively address them in your CAREER proposal.

*Presenter: Christine Strohm, Ph.D. - grant writing consultant*

- **NSF CAREER Awardee Panel [April 28, 2021 - 12pm (noon)]**

For this session, four recent NSF CAREER awardees at NDSU will share their

experiences and offer their tips for writing a successful proposal and answer your questions about the process.

Presenters:

*Britt Heidinger, Ph.D. - Biological Sciences*

*Ying Huang, Ph.D. - Civil and Environmental Engineering*

*Dmitri Kilin, Ph.D. - Chemistry and Biochemistry*

*Keerthi Nawarathna, Ph.D. - Electrical and Computer Engineering*

[Register to attend these sessions >>](#)

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## **Center for Bioplastics and Biocomposites Webinar**

The Center for Bioplastics and Biocomposites (CB2) is hosting the 1st webinar in a recurring series on sustainable materials. These webinars will take place every few months and highlight the work of the four sites at CB2: North Dakota State University, Iowa State University, Washington State University and University of Georgia.

### **Bioadvantaged Monomers for the Production of Function-Tailorable Polyamides**

March 30, 2021 | 11am

Dr. Nacú Hernández, CEO Sumatra Biorenewables, LLC

[Learn more >>](#)

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## **Virtual Conference: Artificial Intelligence and the Humanities**

In April, the National Humanities Center is hosting a series of free, virtual events - presentations, conversations, webinars, film screenings, and an art exhibition - highlighting perspectives from leading humanists, scientists, engineers, artists, writers, and software company executives collectively advancing inquiry into key emerging questions related to AI's influence on daily life.

[Learn more and register >>](#)

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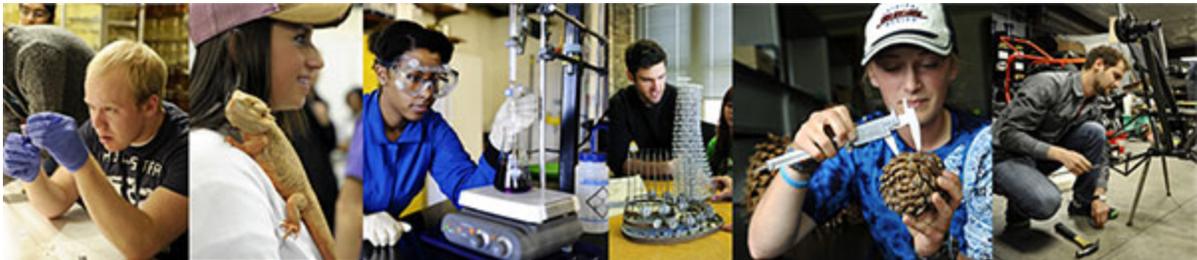
2021 VIRTUAL EDITION

# NDSU EXPLORE

UNDERGRADUATE EXCELLENCE IN RESEARCH AND CREATIVE ACTIVITY

Registration is open for undergraduate students interested in presenting their research and creative activity projects at the annual NDSU EXPLORE event. This year's showcase will be virtual and held during Undergraduate Research Week, April 19-23. **The deadline for registration is March 31, 2021.**

Details can be found on the [NDSU EXPLORE](#) website. If you have any questions about this event, please send an email to [ndsu.researchdev@ndsu.edu](mailto:ndsu.researchdev@ndsu.edu).



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## Communicating Science Seminars

The Office of Research and Creative Activity is hosting Paul M. Sutter, astrophysicist, author, and communications expert, for fun and informative sessions about science communications. Two sessions are scheduled: a seminar tailored for a student audience, and a workshop for faculty.

### **NOBODY UNDERSTANDS WHAT YOU DO (AND THAT'S OK)**

A Communicating Science Seminar for Graduate and Undergraduate Students

Wednesday, April 21, 2021 | 12-1pm | Zoom

## **HOW TO SPEAK WITH HUMANS: A WORKSHOP FOR ACADEMICS**

A Communicating Science Workshop for Faculty

Wednesday, April 21, 2021 | 2-3:30pm | Zoom

[Learn more and register >>](#)

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## **SharpHub Webinar: ABC of SBIR / STTR funding**

Find out whether your research is a candidate for SBIR / STTR federal R&D funding and learn SBIR / STTR program basics, including program purpose, eligibility, and sources of funding. This presentation will provide ample information to help you determine if you should seriously pursue proposal development and tools to help begin the process.

### **ABC of SBIR / STTR Funding**

April 21, 2021 | 8:30-10am

[Learn more and register >>](#)

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## **NASEM Workshop: Strategies for Effective Data Management and Sharing**

On April 28-29, 2021, the National Academies of Sciences, Engineering, and Medicine (NASEM) is hosting Changing the Culture of Data Management and Sharing, a virtual public workshop to examine strategies for effective data management and sharing. The workshop will discuss challenges to and potential solutions for data management and sharing across scientific disciplines and ways researchers can integrate data management and sharing practices into their routine research conduct. The workshop aims to inform implementation strategies for the new [NIH Policy for Data Management and Sharing](#).

### **Strategies for Effective Data Management and Sharing**

April 28-29, 2021

[Learn more and register >>](#)

## Dakota Cancer Collaborative on Translational Activity (DaCCoTA) Virtual Symposium

Registration is now open for the **2021 DaCCoTA Virtual Symposium**.

The symposium will be held on June 18<sup>th</sup> from 8am to 5pm. It is free and open to the public.

The symposium includes:

- **Educational Opportunities (educational credit will be provided)**
  - Use of navigators in cancer care
  - Design, conduct and analysis of clinical trials
  - Navigating collaboration with industry
  - Best practices in community engagement
  - Mentorship: It takes two to tango
  - Demystifying the NIH study section
- **Poster Sessions**
- **DaCCoTA Awardee Presentations**
- **Networking Opportunities**

Register through the following link:

[https://und.qualtrics.com/jfe/form/SV\\_ekW1Jpngue1U4Zf](https://und.qualtrics.com/jfe/form/SV_ekW1Jpngue1U4Zf).

For additional information about the symposium and details regarding poster presentation requirements, please visit: <https://med.und.edu/daccota/symposium.html>.

The DaCCoTA is supported by the National Institute of General Medical Sciences of the National Institutes of Health under Award Number U54GM128729.

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

[Contact Us](#)

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