

# RCA UPDATE

February 1, 2021

## Funding Opportunity Edition

### 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 [ndsuhesearchdev@ndsuhesuhedu](mailto:ndsuhesearchdev@ndsuhesuhedu).

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

- [NIJ: Office of Violence Against Women](#)  
*First to Notify; Agency deadlines vary*
- [USDA-NIFA: Equipment Grants](#)  
*Internal pre-proposal deadline: 02/08/2021*
- [EPA: Water Infrastructure Workforce Development](#)  
*Notification Deadline: 02/10/2021*
- [NSF: Enabling Quantum Leap](#)  
*Notification Deadline: 02/10/2021*
- [NIH Research Education: Biomedical Engineering](#)  
*Notification Deadline: 02/16/2021*

- [Breast Cancer Alliance](#)  
*Notification Deadline: 02/17/2021*
- [NIH Research Education: Genomic Research for Data Scientists](#)  
*Notification Deadline: 03/09/2021*
- [NIH Research Education: Enhancing STEM Educational Diversity](#)  
*Notification Deadline: 03/09/2021*
- [NSF Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support](#)  
*Notification Deadline: 03/11/2021*

There are a number of limited submission grant programs with upcoming agency deadlines for which we did not receive any notifications of interest. For those interested in applying to the programs listed below, 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 [ndsu.researchdev@ndsu.edu](mailto:ndsu.researchdev@ndsu.edu).

- [CDC: Reducing Inequities in Cancer Outcomes through Community-Based Interventions on Social Determinants of Health](#)  
Agency deadline: February 10, 2021
- [NEA: Grants for Arts Projects](#)  
Agency deadline: February 11, 2021
- [NSF: Ethical and Responsible Research](#)  
Agency deadline: February 22, 2021
- [USDA-NIFA: Biotechnology Risk Assessment](#)  
Agency deadline: February 24, 2021
- [NSF: Scholarships in STEM](#)  
Agency deadline: April 7, 2021

## FUNDING OPPORTUNITIES

- [Breast Cancer Alliance](#)
- [EPA: Innovative Water Infrastructure Workforce Development](#)
- [Fahs-Beck Fund for Research and Experimentation](#)
- [NEA: Research Awards in the Arts](#)
- [NEH-Mellon Fellowships for Digital Publication](#)
- [NIH: Research Education Programs](#)
- [NIH NOSI: Aging-Relevant Behavioral and Social Research - COVID-19](#)

- [NIJ: Office on Violence Against Women](#)
- [NIJ: Research and Evaluation on Domestic Terrorism Prevention](#)
- [NIST: Measurement Science and Engineering Research](#)
- [NSF: Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support](#)
- [NSF: Enabling Quantum Leap](#)
- [NSF: Molecular and Cellular Biosciences](#)
- [USDA-NIFA: Equipment Grants](#)
- [USDA-NIFA: Potato Breeding Research](#)
- [USDA-NRCS: Projects in North Dakota](#)

## EVENTS

- [SBIR / STTR Informational Webinars](#)

### 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).

### Breast Cancer Alliance: Exceptional Project 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.

**BCA : [Notify RCA](#) by 02/17/2021, 5:00 p.m. if you are interested in submitting to**

**this program.**

[Breast Cancer Alliance](#) (BCA) invites clinical doctors and research scientists, including post docs, at any stage of their careers whose primary focus is breast cancer to apply for an Exceptional Project Grant. This award recognizes creative, unique and innovative research and is open to applicants at institutions throughout the contiguous United States. This is a one-year grant for a total of \$100,000.

**LIMITED SUBMISSION:** BCA will accept a maximum of 2 LOIs per institution.

[^^](#)

## **EPA: Innovative Water Infrastructure Workforce Development 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.

**EPA : [Notify RCA](#) by 02/10/2021, 5:00 p.m. if you are interested in submitting to this program.**

The U.S. Environmental Protection Agency (EPA) is [soliciting applications](#) to (1) assist in the development and use of innovative activities relating to water workforce development and career opportunities in the drinking water and wastewater utility sector, and (2) expand public awareness about drinking water and wastewater utilities and to connect individuals to careers in the drinking water and wastewater utility sector.

Applicants must address one, and only one, of the five project areas:

1. Targeted internship, apprenticeship, pre-apprenticeship, and postsecondary bridge programs for skilled water utility trades.

2. Education programs designed for elementary, secondary, and higher education students.
3. Regional industry and workforce development collaborations to address water utility employment needs and coordinate candidate development, particularly in areas of high unemployment or for water utilities with a high proportion of retirement eligible employees.
4. Integrated learning laboratories in secondary educational institutions.
5. Leadership development, occupational training, mentoring, or crosstraining programs that ensure incumbent drinking water and wastewater utility workers are prepared for higher level supervisory or management-level positions.

**LIMITED SUBMISSION:** Only one application can be submitted.

*Deadline: March 26, 2021*

^^

## Fahs-Beck Fund for Research and Experimentation

Grants of up to \$20,000 are available to help support the research of faculty members or post-doctoral researchers affiliated with non-profit human service organizations in the United States and Canada. Areas of interest to the Fund are: studies to develop, refine, evaluate, or disseminate innovative interventions designed to prevent or ameliorate major social, psychological, behavioral or public health problems affecting children, adults, couples, families, or communities, or studies that have the potential for adding significantly to knowledge about such problems. The research for which funding is requested must focus on the United States or Canada or on a comparison between the United States or Canada and one or more other countries.

*Upcoming deadlines: April 1 and November 1*

^^

## NEA: Research Awards in the Arts

The National Endowment for the Arts (NEA) invites applicants to engage with the agency's five-year research agenda through two funding opportunities for research projects:

- [Research Grants in the Arts](#) funds research studies that investigate the value and / or impact of the arts, either as individual components of the U.S. arts ecology or as they interact with each other and / or with other domains of American life. Matching / cost share grants of \$10,000 to \$100,000 will be awarded.
- [NEA Research Labs](#) funds transdisciplinary research teams grounded in the social and behavioral sciences, yielding empirical insights about the arts for the benefit of arts and non-arts sectors alike. Topic areas of interest include the intersections of the arts and 1) entrepreneurship and innovation; 2) creativity, cognition, and learning; and 3) health and social / emotional well-being. Matching / cost share cooperative agreements of up to \$150,000 will be awarded.

**Matching / cost share is required for both programs.**

*Deadline: March 29, 2021*

NEA will host a webinar on Tuesday, February 9, 2021 at 2:00pm featuring an overview presentation about these funding programs followed by a Q&A session. Registration is required, and attendance is limited to 500 participants. A recording will be archived on the [Applicant Resources](#) page.

[Register for this webinar >>](#)

^^

## **NEH-Mellon Fellowships for Digital Publication**

Through [NEH-Mellon Fellowships for Digital Publication](#), the National Endowment for the Humanities (NEH) and The Andrew W. Mellon Foundation jointly support individual scholars pursuing interpretive research projects that require digital expression and digital publication. To be considered under this opportunity, an applicant's plans for digital publication must be integral to the project's research goals. That is, the project must be conceived as digital because the research topics being addressed and methods applied demand presentation beyond traditional print publication. Competitive submissions embody exceptional research, rigorous analysis, and clearly articulate a project's value to humanities scholars, general audiences, or both.

All projects must be interpretive. That is, projects must advance a scholarly argument through digital means and tools. Stand-alone databases, documentary films, podcasts, and other projects that lack an explicit interpretive argument are not eligible. Applicants interested in conducting research and writing leading to traditional print or e-book

publications should apply to the [NEH Fellowships program](#).

*Deadline: April 28, 2021*

*Optional draft deadline: February 12, 2021*

[^^](#)

## **NIH Research Education Programs (R25)**

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. There are multiple upcoming R25 program deadlines, some of which are [limited submission programs](#). See below for details.

### **Biomedical Engineering Education [\[PAR-19-215\]](#)**

Applications are encouraged from institutions that propose to establish new or to enhance existing team-based design courses or programs in undergraduate biomedical engineering departments or other degree-granting programs with biomedical engineering tracks / minors.

*Limited Submission Program: [Notify RCA](#) by 02/16/2021, 5:00 p.m. if you are interested in submitting to this program.*

### **Biostatistics and Data Science [\[RFA-HL-22-09\]](#)**

This opportunity will support creative educational activities with a primary focus on courses for skills development.

*Deadline: March 8, 2021*

### **Genomic Research for Data Scientists [\[PAR-21-075\]](#)**

This opportunity will support creative educational activities with a primary focus on research experiences.

*Limited Submission Program: [Notify RCA](#) by 3/9/2021, 5:00 p.m. if you are interested in submitting to this program.*

### **Enhancing STEM Educational Diversity [\[PAR-20-223\]](#)**

This opportunity will support creative educational activities with a primary focus on courses for skills development and research experiences for undergraduate freshmen and sophomores from diverse backgrounds.

*Limited Submission Program: [Notify RCA](#) by 3/9/2021, 5:00 p.m. if you are interested in submitting to this program.*

**Advancing Diversity in Aging Research through Undergraduate Education [[PAR-20-317](#)]**

This opportunity will support creative educational activities with a primary focus on research experiences and curriculum or methods development.

*Deadline: May 25, 2021*

[^^](#)

## **NIH NOSI: Aging-Relevant Behavioral and Social Research COVID-19**

The National Institute on Aging (NIA) is issuing this Notice of Special Interest (NOSI) [[NOT-AG-21-015](#)] to highlight the continuing need for behavioral, psychological, social, and economic research on SARS-CoV-2 and coronavirus disease 2019 (COVID-19). There is a need for ongoing research on the longer-term effects of COVID-19 on the health and well-being of those infected, those caring for the sick, and many others whose lives were disrupted by the pandemic and its associated mitigation and prevention strategies. Beyond effects on individuals, this pandemic has brought about unprecedented social and economic disruption that is expected to have long-term and profound effects on the health of the population. These effects will likely be particularly acute for [NIH-designated health disparity populations](#), and other COVID-19 vulnerable groups including older adults, who have experienced higher rates of COVID-19 infection, who in some cases rely on the efforts of paid and unpaid care partners, and who may have additional barriers to accessing the medical system itself. Further, middle-aged and older frontline healthcare and essential workers and their families face unique risks of exposure to both infection and other health-related outcomes by virtue of their employment.

See the [complete notice](#) for more details and application information.

[^^](#)



## **NIJ: Office on Violence Against Women**

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.

**NIJ OVW : Notify RCA if you are interested in submitting to any of these programs. Approval to submit will be given to the first to notify for each program.**

The National Institute of Justice (NIJ) Office of Violence Against Women (OVW) has a number of limited submission funding opportunities with deadlines in March.

- Improving Criminal Justice Responses to Domestic Violence, Dating Violence, Sexual Assault, and Stalking [[O-OVW-2021-37003](#)]
- Reduce Domestic Violence, Dating Violence, Sexual Assault and Stalking on Campus [[O-OVW-2021-47006](#)]
- Rural Domestic Violence, Dating Violence, Sexual Assault, and Stalking Program [[O-OVW-2021-56002](#)].
- Training and Services to End Violence Against Women with Disabilities Program [[O-OVW-2021-36006](#)]
- Grants to Enhance Culturally Specific Services for Victims of Sexual Assault, Domestic Violence, Dating Violence and Stalking [[O-OVW-2021-36007](#)]
- Grants to Prevent and Respond to Domestic Violence, Dating Violence, Sexual Assault, and Stalking Against Children and Youth [[O-OVW-2021-38007](#)]

For a full list of open solicitations, see the [OVW website](#).

^^

## **NIJ: Research and Evaluation on Domestic Terrorism Prevention**

With this solicitation [[O-NIJ-2021-60007](#)], the National Institute of Justice (NIJ) seeks proposals for rigorous research and evaluation projects targeted toward developing a better understanding of the domestic radicalization phenomenon, and advancing

evidence-based strategies for effective intervention and prevention. This includes research efforts that explore the radicalization of Americans to white nationalist extremism, and those exploring emerging militant left-wing movements, to identify and advance evidence-based strategies for effective intervention and prevention.

NIJ seeks proposals in three areas of focus:

- Research to inform terrorism prevention efforts.
- Research on the reintegration of offenders into the community.
- Evaluations of programs and practices to prevent terrorism.

Funded projects will apply an approach that engages researchers and practitioners in an active partnership to develop more effective solutions to specific problems and to produce transportable lessons and strategies that may help other localities with similar problems.

*Deadline: March 31, 2021*

^^

## **NIST: Measurement Science and Engineering Research**

The National Institute of Standards and Technology (NIST) is [soliciting applications](#) in a number of grant programs:

1. the Associate Director for Innovation and Industry Services (ADIIS);
2. the Associate Director for Laboratory Programs (ADLP);
3. the Communications Technology Laboratory (CTL);
4. the Engineering Laboratory (EL);
5. Fire Research (FR);
6. the Information Technology Laboratory (ITL);
7. the International and Academic Affairs Office (IAAO);
8. the Material Measurement Laboratory (MML);
9. the NIST Center for Neutron Research (NCNR);
10. the Physical Measurement Laboratory (PML);
11. the Special Programs Office (SPO); and
12. the Standards Coordination Office (SCO).

*Applications will be accepted and considered on a rolling basis. For consideration in FY21, applications must be received by May 31, 2021.*

^^

## **NSF: Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support – 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 ACCESS : [Notify RCA](#) by 03/11/2021, 5:00 p.m. if you are interested in submitting to either of these programs.**

The national research cyberinfrastructure (CI) ecosystem is essential to computational- and data-intensive research across all of 21st-century science and engineering (S&E), driven by rapid advances in a wide range of technologies; increasing volumes of highly heterogeneous data; and escalating demand by the research community. Research CI is a key catalyst for discovery and innovation and plays a critical role in ensuring US leadership in S&E, economic competitiveness, and national security, consistent with NSF's mission. NSF, through the Office of Advanced Cyberinfrastructure (OAC), has published a [vision](#) that calls for the broad availability and innovative use of an agile, integrated, robust, trustworthy and sustainable CI ecosystem that can drive new thinking and transformative discoveries in all areas of S&E research and education.

In support of this vision, NSF is releasing two solicitations in parallel:

**Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support (ACCESS) [[NSF 21-555](#)]** aims to establish a suite of CI coordination services - meant to support a broad and diverse set of requirements, users, and usage modes from all areas of S&E research and education - and calls for proposals for five independently-managed yet tightly-cooperative service tracks

**Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support - Coordination Office (ACCESS-ACO) [[NSF 21-556](#)]** focuses on the creation of a coordination office to support the collective and coordinated operation of the

ACCESS service tracks.

**LIMITED SUBMISSION:**

For each of these solicitations, an organization may submit only one proposal but may be a subawardee on other proposals responding to these solicitations.

^^

**NSF: Enabling Quantum Leap - Quantum Interconnect Challenges for Transformational Advances in Quantum Systems – 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 QuIC-TAQS : Notify RCA by 2/10/2021, 5:00 p.m. if you are interested in submitting to this program.**

The **Quantum Interconnect Challenges for Transformational Advances in Quantum Systems (QuIC - TAQS)** program [[NSF 21-533](#)] is designed to support interdisciplinary teams that will explore highly innovative, original, and potentially transformative ideas for developing and applying quantum science, quantum computing, and quantum engineering in the specific area of quantum interconnects. Quantum interconnects are an integral part of all aspects of quantum information science. Proposals should have the potential to deliver new concepts, new platforms, and / or new approaches that will implement the transfer of quantum states efficiently across platforms and over large length scales. Progress in the area of quantum interconnects will enable breakthroughs in quantum sensing, quantum communications, quantum simulations, and quantum computing systems. This Quantum Interconnect Challenges solicitation will support the process of translating such ideas into reality.

This solicitation calls for proposals focused on interdisciplinary research that enhances the development of quantum interconnects (QuIC) that would allow the transfer of quantum states between different physical states and / or different physical systems. Proposals must articulate how the project leverages and / or promotes advances in quantum interconnects. Proposals should be innovative and must focus on quantum functionality and must result in experimental demonstrations and / or transformative advances towards quantum systems and / or proof-of-concept validations. Competitive proposals will come from an interdisciplinary research team led by at least three investigators who collectively contribute synergistic expertise from expertise from a subset of the following domains: engineering, mathematics, computational science, computer / information science, physical, chemical, biological, material science. Proposals will be judged on how likely the integrated effort is to lead to transformative advances in quantum interconnection.

**LIMITED SUBMISSION:** Only one preliminary proposal may be submitted per lead institution.

^^

## **NSF: Molecular and Cellular Biosciences: Investigator-initiated research projects (MCB)**

The Division of Molecular and Cellular Biosciences (MCB) supports quantitative, mechanistic, predictive, and theory-driven fundamental research designed to promote understanding of complex living systems at the molecular, subcellular, and cellular levels. While recognizing the need for thorough and accurate descriptions of biological complexes and pathways, the priority of the Division is to support work that advances the field by capturing the predictive power of mechanistic, quantitative, and evolutionary approaches.

Proposals are solicited to support research relevant to the four MCB core clusters:

- Cellular Dynamics and Function
- Genetic Mechanisms
- Molecular Biophysics
- Systems and Synthetic Biology

MCB gives high priority to research projects that use theory, methods, and technologies from life and physical sciences, mathematics, computational sciences, and engineering to address major biological questions that elucidate the rules governing subcellular and cellular processes. Research supported by MCB uses a range of experimental and computational approaches--including *in vivo*, *in vitro* and *in silico* strategies--and a broad spectrum of model and non-model organisms, including microbes and plants. Typical research supported by MCB integrates theory and experimentation. Projects are particularly welcome that address the emerging areas of: multi-scale integration; transformative methods and resources (when driven by compelling biological questions); molecular and cellular evolution; the synthesis of life-like systems; and the quantitative prediction of the phenome from genomic information. Highest funding priority is given to applications that have outstanding intellectual merit and strong broader impacts, while proposals with weaknesses in either category (or those that are perceived as likely to have an incremental impact) will not be competitive. Proposals that are motivated by relevance to human health and disease treatment are not appropriate for the Division and will be returned without review.

*Proposals accepted anytime.*

^^

## **USDA-NIFA: Equipment 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.

**USDA-NIFA EGP: Submit Pre-Application by 02/08/2021, 5:00 p.m. if you are interested in submitting to this program.**

The Equipment Grant Program (EGP) 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.

^^

## **USDA-NIFA: Potato Breeding Research**

The purpose of this [grant program](#) is to support potato (*Solanum tuberosum* L.) research programs that focus on varietal development and testing and potato varieties for commercial production. As used herein, varietal development and testing is research using conventional breeding and/or biotechnological genetics to develop improved potato varieties. Aspects of evaluation, screening and testing must support variety development.

*Deadline: April 16, 2021*

^^

## **USDA-NRCS: Funding for Projects in North Dakota**

The Natural Resources Conservation Service (NRCS), an agency under the United States Department of Agriculture (USDA), is announcing potential availability of awards for the purpose of leveraging NRCS resources, addressing local natural resource issues, encouraging collaboration and developing state- and community-level conservation

leadership. Proposals will be accepted for projects located in North Dakota.

Proposals are requested for competitive consideration for grant agreement and cooperative agreement awards for projects between 1 and 3 years in duration. Applicants must be a Federally recognized tribal governments, State and local units of government, non-governmental organizations, or institution of higher learning. Entities may submit more than one application as long as the proposals are for different projects and entities may receive more than one award.

- [Grant Agreements RFP](#)
- [Cooperative Agreements RFP](#)

*Deadline: March 1, 2021*

^^

## **SBIR / STTR Webinars from SHARPhub**

[SHARPhub](#), an NIH-funded program to assist in translating bioscience discoveries into startup companies, is offering multiple free webinars on SBIR / STTR programs.

**Q&A session for NIH workshop attendees** – Thursday, February 4 from 8:30 to 9:30 am CST

SBIR / STTR virtual training attendees will have the opportunity to ask questions to BBCetc consultants regarding their specific proposal. *Please note that you must have attended training on January 14th and Jan 25th to be able to take advantage of this session.*

**Commercializing your research through SBIR / STTR Proposals** - Wednesday, February 10 from 8:30 am to 1:00 pm CST

Learn about essential components of an effective plan, how to find and use cost-effective market research to direct your efforts, supporting documents you will need, and other tips for writing a winning plan.

**REGISTER:** <https://bit.ly/2JfNCvZ>

**Cuss and Discuss** - March 12 from 9 to 10:30 am CST

Meet others planning to submit SBIR / STTR proposals to NIH, sharing challenges and learning from others.

**REGISTER:** <https://bit.ly/371phUf>



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.*