

RCA UPDATE

November 23, 2020



Associate professor of history Bradley Benton's research has been featured on a Library of Congress blog as part of National Native American Heritage Month.

[Read more >>](#)

NIH R01 Grantwriting Bootcamp

Through NDSU's subscription to NIH grantwriting resources from Meg Bouvier Medical Writing, NDSU faculty, staff, and students have access to a FREE half-day virtual grantwriting bootcamp for NIH R01 proposals.

Virtual R01 Grantwriting Bootcamp

Friday, December 11, 2021

11:00am-3:30pm

[Register to Participate >>](#)

NDSU also continues to offer free registration to resources for writing NIH R-series grant proposals - you can learn more [here](#).



NDSU has a new electronic proposal and award system, [Novelution](#), which is being used exclusively for internal proposal routing and submission. One of

the keys to the use of this system is that it provides email notices to those who approve the submission of the proposal. The system is built so that only one person can work in the record at a time. Once the proposal has been approved, please remember to log out of the record in order to ensure that the proposal moves through the system in a timely manner.

For more information about using Novelution, visit the [RCA website](#). Contact ndsu.novhelp@ndsu.edu with questions.

Novelution IRB Module Now Available

Use will be required starting January 4, 2021

The Novelution Institutional Review Board (IRB) protocol submission module is now available. Protocols may be submitted via the system now. Use of the system will be **required** starting **January 4, 2021**.

- [Click here](#) for more information about the Novelution platform or to view recorded demonstrations of the software.
- [Click here](#) to log in to Novelution.

Quick Tips:

- Novelution automatically integrates with the CITI program to verify completion of human subjects training. To ensure accurate reporting of your completed training, update the CITI program with your NDSU email as your primary email account OR, in Novelution, add your CITI email address by clicking 'Edit User Profile' under Profile and Settings.
- Wondering about the status of your IRB submission? Check the Requirements panel within the Protocol application to check on the current status of the protocol submission.

For questions about Novelution, contact ndsu.novhelp@ndsu.edu. For questions related to your IRB protocols or training, contact ndsu.irb@ndsu.edu.

Limited Submission Programs with No Notifications of Interest

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 ndsuh.researchdev@ndsuh.edu.

- [NSF: Partnerships for Innovation](#)
Agency deadline: January 13, 2021
- [NSF: Major Research Instrumentation Track 2 \[\\$1M-\\$4M\] Only](#)
Agency deadline: January 19, 2021
- [NEH: Preservation Assistance Grants for Smaller Institutions](#)
Agency deadline: January 14, 2021
- [USDA-NIFA: Women and Minorities in STEM Fields](#)
Agency deadline: January 21, 2021
- [NSF: Ethical and Responsible Research](#)
Agency deadline: February 22, 2021
- [NSF: Scholarships in STEM](#)
Agency deadline: March 31, 2021

USDA Record Freeze has been Lifted

In 2018, the U.S. Department of Agriculture (USDA) sent a notice to institutions that USDA was under a record disposal freeze which meant that institutions receiving funding from certain USDA agencies would be required to retain and not dispose of paper and electronic records associated with agreements funded by the respective USDA agencies. This record freeze has been lifted and institutions are able to follow their own record retention policies.



FEATURED RESOURCE

November Issue: Research Development & Grant Writing News

The November issue of [Research Development and Grant Writing News](#) is now available to view. Use your NDSU login information to access this resource. Various topics are covered, including:

- Summary of the 2020 NIH Virtual Seminar on Program Funding and Grants Administration;
- Strategies for increasing sustainability research and educational program funding;
- Does an NSF MRI fit your situation?
- Are you up-to-date on NSF terms and definitions?
- Post-election new directions in research funding;
- Funding fundamentals for new faculty.

COVID-19 Guidance for researchers is available on the [RCA Website](#), including NDSU guidance for PIs, Federal Agency guidance, and Funding Opportunities. Please refer to the [NDSU COVID-19 Preparedness and Response page](#) for additional information.

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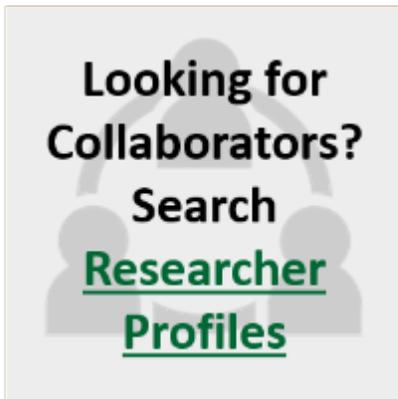
FUNDING OPPORTUNITIES

- [CDC: Informing Pandemic Response and Recovery](#)
- [DoD: Synthetic Biology](#)
- [DOE: Bioimaging Research to Develop Imaging Instrumentation and Approaches](#)

- [DOE: Environmental System Science](#)
- [NIH NOSI: Research on Rehabilitation Needs Associated with COVID-19](#)
- [NIH: Long-Term Effects of Disasters on Health Care Systems Serving Health Disparity Populations](#)
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- [Proposal Development Virtual Program: Writing a Good First Page and Project Summary](#)
- [Office of Industry Engagement and Intellectual Property Virtual Office Hours](#)
- [NIH Virtual Seminar](#)
- [NSF Virtual Grants Conference](#)



Need to update your profile?
Click here to learn how!

CDC: Conducting Research to Inform Pandemic Response and Recovery of Emergency-Affected Populations by Determining Public Health Needs, Improving Methods, and Integrating Services to Mitigate Morbidity and Mortality (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.

CDC Informing Pandemic Response and Recovery : [Notify RCA](#) by 12/01/2020, 5:00 p.m. if you are interested in submitting to this program.

The purpose of this funding opportunity [[RFA-GH-21-004](#)] is to understand the needs of emergency-affected and displaced populations and estimate morbidity and mortality in the context of the COVID-19 pandemic. The overall goals of this operational research are to a) improve mortality and cause of death estimation during the acute emergency phase, b) understand COVID-19 disease transmission, contributing factors and secondary health consequences, c) study the effects of various hand hygiene interventions on mitigating the spread of COVID-19 and d) understand the mental health impact of COVID-19 to reduce associated morbidity and mortality among displaced populations and in emergency settings.

LIMITED SUBMISSION: Only one application per institution is allowed.

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DoD: Army Research Office Center for Synthetic Biology

The Army Center for Synthetic Biology is a basic research program initiated by the Combat Capabilities Development Command / Army Research Laboratory / Army Research Office. It focuses on areas of strategic importance to U.S. national security. It seeks to increase the Army's intellectual capital in synthetic biology and improve its ability to address future challenges. The Army Center for Synthetic Biology brings together universities, research institutions, companies, and individual scholars and supports multidisciplinary and cross-institutional projects addressing specific topic areas determined by the Department of the

Army. The Army Center for Synthetic Biology aims to promote research in specific areas of synthetic biology and to promote a candid and constructive relationship between the Army Science and Technology enterprise and the synthetic biology research community.

[Read the full opportunity announcement >>](#)

Whitepaper deadline: February 1, 2021

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DOE: Bioimaging Research to Develop Imaging Instrumentation and Approaches

The Department of Energy Office of Science (DOE SC) Biological and Environmental Research (BER) Bioimaging Research program [[DE-FOA-0002393](#)] seeks to create a versatile “tool box” for imaging biological processes occurring within and among cells in living plants and microorganisms that may advance understanding in DOE’s energy and environmental missions. The program hereby announces its interest in receiving applications to support fundamental research towards enabling new bioimaging instrumentation capabilities for the study of plant and microbial systems which may be used in bioenergy research or other disciplines supported by BER.

Pre-application deadline: January 7, 2021

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DOE: Environmental System Science

The Department of Energy Office of Science (DOE SC) program in Biological and Environmental Research (BER) is soliciting applications for research in Environmental System Science (ESS). The goal of the ESS program [[DE-FOA-0002392](#)] is to advance an integrated, robust, and scale-aware predictive understanding of terrestrial systems and their interdependent biological, chemical, ecological, hydrological and physical processes. The program seeks to develop an integrated framework using a systems approach to unravel the complex processes and controls on the structure, function, feedbacks, and dynamics of terrestrial ecosystems, spanning from the bedrock through the rhizosphere and vegetation to the atmospheric surface layer. The scope includes watersheds and coastal zones, terrestrial-aquatic interfaces, and understudied ecosystems that represent a significant knowledge gap in local and regional process models and predictive Earth

system models.

This program will consider applications that focus on measurements, experiments, field data, and modeling to provide improved understanding and representation of ecosystems and watersheds in ways that advance the sophistication and capabilities of models that span from individual processes to Earth system scales. It encompasses three Science Research Areas:

1. Terrestrial-Aquatic Interfaces, specifically seeking research exploring ecological and environmental dynamics that in turn influence hydro-biogeochemical processes in zones with wide-ranging cyclic soil saturation states;
2. Perturbations and Disturbances, specifically studying watershed and ecosystem responses, feedbacks, and recovery from extremes events and chronic compounding perturbations and environmental shifts; and
3. Novel Methods for Capturing "Hot Spots" and "Hot Moments" of Biogeochemical Activity, to develop and demonstrate methodologies suitable for precisely measuring the occurrence and quantifying the magnitude of "hot spots" and / or "hot moments" in ways that are extensible to different types of watersheds, ecosystems or regions.

Pre-application deadline: December 17, 2020

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NIH NOSI: Research on Rehabilitation Needs Associated with COVID-19

The purpose of this Notice of Special Interest (NOSI) [[NOT-HD-20-031](#)] is to encourage applications in three areas related to the intersection of COVID-19, the associated mitigation actions, and rehabilitation:

1. encourage research to address the rehabilitation needs of survivors of COVID-19;
2. understand the impact of disruptions to rehabilitation services caused by the COVID-19 pandemic and associated mitigation actions; and
3. understand the social, behavioral, economic, and health impact of the COVID-19 pandemic and the associated mitigation actions on people with physical disabilities.

Research applications addressing these topics are considered responsive; not all topics are expected within the same application. Applications will be directed to the National Center

for Medical Rehabilitation Research (NCMRR) at the NIH National Institute of Child Health and Human Development (NICHD).

This notice applies to due dates on or after February 5, 2021 and subsequent receipt dates through May 8, 2023.

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NIH: Long-Term Effects of Disasters on Health Care Systems Serving Health Disparity Populations (R01 – Clinical Trial Optional)

The purpose of this Funding Opportunity Announcement [[PA-20-172](#)] is to support investigative and collaborative research focused on understanding the long-term effects of natural and / or human-made disasters on health care systems serving health disparity populations in communities in the U.S., including the U.S. territories. NIH-designated health disparity populations include racial and ethnic minorities (Blacks / African Americans, Hispanics / Latinos, American Indians / Alaska Natives, Asians, Native Hawaiians and other Pacific Islanders), sexual and gender minorities, socioeconomically disadvantaged populations, and underserved rural populations.

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NIH: Outstanding New Environmental Scientist (ONES) Award (R01 Clinical Trial Optional)

[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 ONES: [Notify RCA](#) by 12/08/2020, 5:00 p.m. if you are interested in submitting to this program.

The ONES program [[RFA-ES-18-001](#)] is designed to identify outstanding scientists at the formative stages of their career and assist them in launching an innovative research program with a defined impact in the environmental health sciences. These R01 research grants are targeted for researchers who are defined by the NIH as [Early Stage](#)

Investigators.

The ONES program is designed to be highly competitive, and only a limited number are awarded per year.

Research programs supported by this announcement seek to promote career advancement of the most highly creative and promising new scientists who intend to make a long-term career commitment to research in the mainstream of the environmental health sciences, and bring innovative, ground-breaking research initiatives and thinking to bear on the problems of how environmental exposures affect human health.

LIMITED SUBMISSION: Only one application per school or college within a university will be accepted.

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NPS: Battlefield Preservation Planning Grants

The National Park Service (NPS) is now accepting applications for projects that relate to planning, interpreting, and protecting historic battlefields and sites associated with armed conflict on American soil. All application materials are available [here on grants.gov](https://www.nps.gov/grants). State, local, and tribal governments, other public entities, educational institutions, and nonprofit organizations are eligible to apply. Typical awards range from \$30,000-\$150,000 and do not require matching funds.

To learn more about this year's competition, [register to attend](#) one of the upcoming webinars.

Deadline: February 12, 2021

See also: NPS Save America's Treasures [Collection Grants](#) and [Historic Preservation Grants](#). Note that cost-share is necessary the the Save America's Treasures program. *Deadline: December 22, 2020.*

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NSF: EPSCoR Track 4 Research Fellows – 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 RII Track-4: [Notify RCA](#) by 01/13/2020, 5:00 p.m. if you are interested in submitting to this program.

The Established Program to Stimulate Competitive Research (EPSCoR) is designed to fulfill the mandate of the National Science Foundation (NSF) to promote scientific progress nationwide. EPSCoR jurisdictions that are eligible for RII competitions are listed in the RII Eligibility table, which can be found [here](#). Through this program, NSF establishes partnerships with government, higher education, and industry that are designed to effect sustainable improvements in a jurisdiction's research infrastructure, Research and Development (R&D) capacity, and hence, its R&D competitiveness. One of the strategic goals of the EPSCoR program is to establish sustainable Science, Technology, Engineering, and Mathematics (STEM) professional development pathways that advance STEM workforce development.

The EPSCoR Research Infrastructure Improvement Track 4: EPSCoR Research Fellows (RII Track-4) Program [[NSF 20-543](#)] provides awards to build research capacity in institutions and transform the career trajectories of non-tenured investigators and to further develop their individual research potential through extended collaborative visits to the nation's premier private, governmental, or academic research centers. Through collaborative research visits at the host site, fellowship awardees will be able to learn new techniques, develop new collaborations or advance existing partnerships, benefit from access to unique equipment and facilities, and / or shift their research toward potentially transformative new directions. The experiences gained through the fellowships are intended to have lasting impacts that will enhance the Fellows' research trajectories well beyond the award period. These benefits to the Fellows are also expected to in turn improve the research capacity of their institutions and jurisdictions more broadly. Those submitting proposals must either hold a non-tenured faculty appointment at an institution of higher education or an early-career career-track appointment at an eligible non-degree-granting institution.

LIMITED SUBMISSION: Only three RII Track-4 proposals may be submitted in response to this solicitation by any single organization in a RII-eligible jurisdiction.

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NSF: Planning Grants for Engineering Research Centers

The Engineering Research Centers (ERC) program [[NSF 21-529](#)] is placing greater emphasis on high-risk / high-payoff research, larger societal impact, convergent research approaches, engagement of stakeholder communities, and adoption of team science in team formation, in response to the 2017 National Academies of Science, Engineering, and Mathematics (NASEM) study recommendation. The ERC program intends to support planning activities leading to convergent research team formation and capacity-building within the engineering community. This planning grant solicitation is designed to foster and facilitate the engineering community's thinking about how to form convergent research collaborations. Note that submitting and / or receiving one of these planning grants is not required in order to participate in a forthcoming ERC competition. The PI must be an engineering faculty whose main appointment is in an engineering department / school / college who has not previously been awarded an ERC Planning Grant as a PI. Co-PIs may be from any department.

Deadline: February 16, 2021

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USDA: Higher Education Challenge Grants

Projects supported by the [Higher Education Challenge Grants](#) Program will:

1. address a state, regional, national, or international educational need;
2. involve a creative or non-traditional approach toward addressing that need that can serve as a model to others;
3. encourage and facilitate better working relationships in the university science and education community, as well as between universities and the private sector, to enhance program quality and supplement available resources; and
4. result in benefits that will likely transcend the project duration and USDA support.

Deadline: March 18, 2021

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Proposal Development Virtual Program

The Proposal Development Program provides professional development opportunities for faculty and staff who are new to proposal writing or are seeking a refresher about proposal writing skills and funding agency opportunities. This semester, these sessions will be held virtually on Zoom.

Writing a Good First Page and Project Summary

December 2, 2020 - Noon

Presenter: Christine Strohm, Grant Writing Consultant

[Register for this session >>](#)

Zoom access information will be shared with registrants.

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Office of Industry Engagement and Intellectual Property Virtual Office Hours

Do you think that your research has resulted in something that is patentable or has commercial potential? Interested in learning more about disclosing an invention or the patenting process? Every Thursday during the Fall semester, the Office of Industry Engagement and Intellectual Property is [hosting a Zoom meeting](#) between 2:00 PM and 4:00 PM to discuss research discoveries and answer general questions about intellectual property. If you can't join us on Thursday afternoons, [reach out](#) and we'll be happy to schedule a time to meet that works with your schedule.

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NIH Virtual Seminar on Program Funding and Grants Administration

The National Institutes of Health (NIH) Fall 2020 Seminar on Program Funding and Grants Administration took place virtually on October 27-30. If you were unable to attend the live sessions, you can still register to view all the presentations and access all materials.

The [seminar site](#) will be available until November 27, 2020.

Examples of topics covered at this virtual conference include:

- best practices and tips for grants and grantwriting for NIH;
- peer review (including a mock study session);
- R15 (AREA / REAP) award program;
- navigating NIH programs to advance your career;
- topics in compliance and human subjects research;
- rigor and reproducibility;
- budgets;
- data and resource sharing; and
- topics for innovators, including intellectual property, inventions, and small businesses.

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NSF Virtual Grants Conference

The National Science Foundation (NSF) Fall 2020 Grants Conference is being offered virtually this year. This is an opportunity to learn directly from NSF program officers and staff. Sessions are scheduled for the weeks of **November 16** and **November 30, 2020**.

While registration for the live sessions is closed, you are able to access session recordings [here](#).

Examples of topics covered at this virtual conference include:

- best practices and tips for grants and grantwriting for NSF;
- merit review;
- new programs and initiatives;
- crosscutting programs like the NSF CAREER award and Research Experiences for Undergraduates;
- incorporating international components into NSF proposals;
- interdisciplinarity and convergence; and
- NSF's new proposal submission system, Research.gov.

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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.

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