

NDSU OFFICE OF
RESEARCH AND CREATIVE ACTIVITY

RCA UPDATE

August 16, 2021

Welcome to the 2021-22 Research and Creative Activity (RCA) Update newsletter. For those new to the publication, the RCA Update is released each Monday and alternates between content and funding opportunity editions. And in case you miss an edition, all issues are [archived](#) on the RCA website.

The RCA Update includes content such as:

- Funding opportunities (both internal and external)
- Research highlight stories
- Funding agency updates
- Policy and process updates
- Professional development opportunities
- Limited submission announcements
- New research faculty profiles
- Monthly list of awards received

In addition to the RCA Update, the RCA website has resources and assistance for you at all points in your research career. A good place to start is the [For Researchers page](#). Designed with you in mind, you'll find information such as finding funding, proposal development, managing your awards, and compliance there. If you have a question but aren't sure who to ask, all RCA team descriptions and contact information is on the [All RCA Contacts page](#).

If you have an idea for content or feedback about the RCA Update, we invite you to [contact us](#).

Call for Posters:

NDSU Research Symposium on Mental Health

The President's Council for Campus Wellbeing (PCCW) and the Office of Research and Creative Activity (RCA) are sponsoring a research symposium on mental health. The symposium will be held Friday, September 24, 2021 from noon to 2:30pm.

Faculty and graduate students are invited to submit proposals for poster presentations. Abstracts are due by August 31, 2021, and decisions will be finalized by the end of the first week in September.

Learn more about the symposium, submit an abstract, and register to attend [here](#).

Alan Alda Center for Communicating Science: Creating Connections Virtual Workshop

September 28, 2021 | 2:00pm

The [ND EPSCoR State Office](#) is sponsoring a "Creating Connections" workshop by the Alan Alda Center for Communicating Science. "Creating Connections" is a two-hour live, online workshop. The Alda Method is a unique approach to science communication training that combines improvisational theatre-based techniques with message design strategies, including analogies and narrative. This immersive method emphasizes two-way communication to build trust and invite others to share in the wonder and joy of science. The process incorporates research and best practices from science communication, journalism, ethics, and other relevant fields. [Contact Shireen Alemadi](#) with questions about this workshop.

[Register to attend >>](#)

U.S. Customs and Border Protection: Pembina Virtual Biologic Workshop September 28, 2021

U.S. Customs and Border Protection is hosting [this event](#) to explore the requirements for international importation and exportation of biological shipments for testing and research purposes. Presenting will be representatives from several federal government agencies sharing their responsibilities and discussing regulatory requirements that must be met to import and export biologic materials.

U.S. Customs and Border Protection mission is to prevent entry and mitigate risks of biological threats to American agriculture, public health and natural resources. These threats include infectious pathogenic organisms; select agents and toxins; and living and non-living vectors that have the potential to pose a threat to public health and introduce foreign animal diseases and plant pests.

Participating Government Agencies include:

Federal Bureau of Investigation, US Food and Drug Administration, Centers for Disease Control, Customs and Border Protection, US Department of Agriculture, ND Department of Agriculture, US Fish and Wildlife Service, Federal Select Agents Program, and US Department of Transportation.

To register, contact neil.halley@cbp.dhs.gov.



August Issue: Research Development & Grant Writing News

The August 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:

- Proposal Writing in the Humanities: Theoretical Orientation and Significance
- Does Your Research Narrative Require a Description of Stakeholder Engagement?
- So you've submitted your CAREER proposal: What now?
- Organizing Your Response to Reviewers' Comments on Resubmittals

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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.

If you identify a limited submission opportunity that is not on the list below, please notify ndsuhesearchdev@ndsuhesuhedu.

- [Arts Midwest: GIG Fund](#)
Notification Deadline: 08/25/2021
- [Johnson & Johnson: Women in STEM2D Scholars](#)
Notification Deadline: 09/02/2021
- [NIH R25: Genome Research Experiences to Attract Talented Undergraduates into the Genomics Field to Enhance Diversity](#)
Notification Deadline: 9/15/2021
- [VentureWell Faculty Grants](#)
Notification Deadline: 09/15/2021
- [NSF: Major Research Instrumentation \(MRI\)](#)
Notification Deadline: 9/29/2021
- [NSF: Innovations in Graduate Education](#)
Notification Deadline: 09/30/2021

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 ndsuhesearchdev@ndsuhesuhedu.

Looking for more funding opportunities?



RCA subscribes to SPIN by InfoEd Global, a database of more than 40,000 funding opportunities. Through this subscription, SPIN is free for current NDSU faculty, staff, and students.

For more information and to access this database, visit the [SPIN page](#) on the RCA website. If you have questions, please contact ndsu.researchdev@ndsu.edu.

AAAS: Science and Technology Policy Fellowships

The American Association for the Advancement of Science (AAAS) [Science & Technology Policy Fellowships \(STPF\) program](#) provides opportunities to outstanding scientists and engineers to learn first-hand about policymaking and contribute their knowledge and analytical skills in the policy realm. Fellows represent a broad range of backgrounds, disciplines, and career stages. Eligible applicants hold a doctoral level science degree or a master's in engineering and are U.S. citizens.

Application deadline: November 1, 2021

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ACS: Petroleum Research Fund Grants

The American Chemical Society (ACS) Petroleum Research Fund (PRF) [research grant programs](#) support fundamental research in the petroleum field, and development of the next generation of engineers and scientists through advanced scientific education. Research areas supported include chemistry, the earth sciences, chemical and petroleum engineering, and related fields such as polymers and materials science. Membership in the American Chemical Society is not a requirement or a factor in awarding ACS PRF grants. Programs include:

- New Directions (ND) - grants for new directions in research;
- Doctoral New Investigator (DNI) - starter grants for new faculty, within the first 3 years of their first academic appointment.

Proposal window: September 20, 2021 – October 15, 2021

Arts Midwest: Grow, Invest, Gather (GIG) Fund – 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.

Arts Midwest GIG: [Notify RCA](#) by 08/25/2021, 5:00 p.m. if you are interested in submitting to this program.

Arts Midwest's [Grow, Invest, Gather \(GIG\) Fund](#) provides financial support to arts organizations for rebuilding and re-imagining creative engagement in their communities amidst the challenging uncertainty affecting all corners of the creative sector.

Who: Non-profit organizations located in Illinois, Indiana, Iowa, Michigan, Minnesota, North Dakota, Ohio, South Dakota, or Wisconsin and the Native nations that share this geography.

What: Applicants must:

1. Contract with a professional performing or visual artist / ensemble of high artistic excellence and merit.
2. Offer at least two activities featuring the artist / ensemble in an accessible facility / space.
3. At least one activity must reach an audience with limited access to the arts.

When: Activities must take place between January-June 2022.

How much: Grant awards are \$2,500. Determination of awards for each grant period is dependent upon available funds and demand within each state.

LIMITED SUBMISSION: Only one application will be accepted per organization.

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EPA: People, Prosperity and the Planet (P3) Student Design Competition

EPA's [P3 Program](#) is a unique competition that is open to teams of college / university students working to design solutions for a sustainable future. P3 offers students hands-on experience that brings their classroom learning to life, while also allowing them to create tangible changes in their communities. This annual, two-phased research grants program challenges students to research, develop, and design innovative projects that address real world challenges involving all areas of environmental protection and public health. Phase I serves as a “proof of concept,” where teams are awarded a one-year grant of up to \$25,000 to develop their idea and showcase their research in the spring at EPA's National Student Design Expo (NSDE). These teams are then eligible to compete for a Phase II grant of up to \$100,000 to implement their design in a real world setting. P3 aims to foster progress towards environmental awareness by achieving the symbiotic goals of improved quality of life for all people, economic prosperity, and protection of the planet - people, prosperity and the planet.

The [current competition](#) has four associated research areas:

1. Air Quality;
2. Safe and Sustainable Water Resources;
3. Sustainable and Healthy Communities; ad
4. Chemical Safety.

Deadline: October 27, 2021

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Johnson & Johnson: Women in STEM²D Scholars 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.

WiSTEM2D: Notify RCA by 09/02/2021, 5:00 p.m. if you are interested in submitting to this program.

While guidelines for the 2022 competition have not been released, notifications for this program are sought in anticipation of an October deadline.

The Johnson & Johnson Women in STEM²D Scholars Program aims to fuel the development of female STEM²D leaders and feed the STEM²D talent pipeline by awarding and sponsoring women at critical points in their research careers, in each of the STEM²D disciplines:

1. Science
2. Technology
3. Engineering
4. Mathematics
5. Manufacturing
6. Design

The awards will fund one woman per discipline who has completed her advanced degree, who is working as an assistant professor and who is not yet tenured at an accredited university or design institution. The goal is to fuel the research passion of the awarded women and inspire career paths in their respective STEM²D fields. By offering these awards, Johnson & Johnson hopes to play an influential role in STEM²D breakthroughs in the future.

LIMITED SUBMISSION: Each University can support and recommend one applicant per each STEM²D discipline for a total of 6 applicant submissions (one for science, one for technology, one for engineering, etc.)

ND EPSCoR: STEM Research, Education, and Outreach

The ND EPSCoR State Office's mission is to support efforts of participating institutions of higher education across the state that result in increased STEM faculty capacity and competitiveness, a stronger STEM pathway that produces our next generation workforce, educators, and researchers, and, an informed citizenry that values the STEM ecosystem and economy.

Thus, the ND EPSCoR State Office is now accepting proposals in the following categories:

1. equipment;
2. equipment repair;
3. undergraduate research;
4. seed awards for faculty to collect preliminary data for the preparation of federal STEM proposals;
5. external proposal review for large, collaborative and interdisciplinary STEM efforts;
6. seed awards for faculty and students to engage K-12 in STEM outreach activities;
7. development of online / virtual modules for STEM courses;
8. seed awards for community-based STEM outreach; and
9. electronic STEM data sets.

Please see the [Request for Proposals](#) for details.

Deadline: September 21, 2021, noon

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NIH: Modular R01s in Cancer Control and Population Sciences (R01 Clinical Trial Optional)

This funding opportunity announcement (FOA) [[PAR-21-190](#)] encourages applications for research in cancer control and population sciences. The overarching goal is to provide support to promote research efforts on novel scientific ideas that have the potential to substantially advance cancer research in statistical and analytic methods,

epidemiology, cancer survivorship, cancer-related behaviors and behavioral interventions, health care delivery, and implementation science.

Upcoming deadlines: November 8, 2021; March 07, 2022



NSF: Innovations in Graduate Education – 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 IGE : [Notify RCA](#) by 9/30/2021, 5:00 p.m. if you are interested in submitting to this program.

The Innovations in Graduate Education (IGE) program [[NSF 20-595](#)] is designed to encourage the development and implementation of bold, new, and potentially transformative approaches to STEM graduate education training. The program seeks proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers.

IGE focuses on projects aimed at piloting, testing, and validating innovative and potentially transformative approaches to graduate education. IGE projects are intended to generate the knowledge required for their customization, implementation, and broader adoption. The program supports testing of novel models or activities with high potential to enrich and extend the knowledge base on effective graduate education approaches.

The program addresses both 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.

LIMITED SUBMISSION: An eligible organization may participate in two Innovations in Graduate Education proposals per competition. **Participation includes serving as a lead organization on a non-collaborative proposal or as a lead organization, non-lead organization, or subawardee on a collaborative proposal.** Organizations participating solely as evaluators on projects are excluded from this limitation.

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Russell Sage Foundation: Social Science Research

The [Russell Sage Foundation](#) (RSF) will accept letters of inquiry (LOIs) under these core programs and special initiatives:

- [Social, Political and Economic Inequality](#);
- [Future of Work](#);
- [Behavioral Economics](#); and
- [Decision Making and Human Behavior in Context](#).

In addition, RSF will also accept LOIs relevant to any of its core programs that address at least one of the following issues:

- [Research on the Covid-19 pandemic and the resulting recession in the U.S.](#)
- Research focused on systemic racial inequality and / or the recent mass protests in the U.S.

LOI deadline: November 10, 2021

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Spencer Foundation: Research-Practice Partnerships in Education

The [Research-Practice Partnership \(RPP\) Grants Program](#) is intended to support education research projects that engage in collaborative and participatory partnerships with project budgets up to \$400,000 and durations of up to three years.

The Spencer Foundation views partnerships as an important approach to knowledge generation and the improvement of education, broadly construed. Over the long term, the Foundation anticipates that research conducted by RPPs will result in new insights into the processes, practices, and policies that improve education for learners, educators, schools, universities, families, and communities.

Letter of Intent deadline: November 10, 2021, noon

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VentureWell Faculty 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.

Venturewell: [Notify RCA](#) by 9/15/2021, 5:00 p.m. if you are interested in submitting to this program.

While guidelines for the Fall 2021 competition have not been released, notifications for this program are sought in anticipation of a November deadline.

[VentureWell Faculty Grants](#) provide up to \$30,000 to help fund and support faculty with innovative ideas to create new or transform existing courses and programs to help students develop novel, STEM-based inventions and gain the necessary entrepreneurial skills needed to bring these ideas to market.

LIMITED SUBMISSION: Only two proposals per institution are allowed per cycle.

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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