

Sent: Monday, January 08, 2018 2:57 PM
To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - January 8, 2018 Edition



Welcome to the Research and Creative Activity Update!

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.

These weekly email updates are archived on the [RCA Website](#).

FUNDING OPPORTUNITIES

- [Limited Submission Program: NSF EPSCoR Research Infrastructure Improvement Track-4: EPSCoR Research Fellows](#)
- [Limited Submission Program: NSF Scholarships in Science, Technology, Engineering, and Mathematics \(S-STEM\)](#)
- [Advanced Research Projects Agency – Energy \(ARPA-E\) OPEN 2018 Funding Opportunity](#)
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Limited Submission Program: NSF EPSCoR Research Infrastructure Improvement Track-4: EPSCoR Research Fellows

[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 EPSCoR Research Fellows \(RII Track-4; NSF 18-526\): Notify RCA by 01/10/2018, 5 p.m.](#)

The RII Track-4 Fellows program provides an opportunity for non-tenured faculty to spend extended periods of time at the nation's premier research facilities. The fellowship period may be used to initiate new collaborative relationships, to expand existing partnerships in ambitious new directions, or to make use of unique equipment not available at the PI's home institution. Successful fellowships will positively impact and potentially transform the recipient's research career trajectory. Any research topic eligible for consideration

under NSF's policies will be considered for RII Track-4 support. The fellowship host site may be any academic, governmental, commercial, or non-profit research facility within the United States or its territories.

Eligible PIs employed by degree-granting institutions of higher education must hold a non-tenured faculty appointment. This may be in the form of a pre-tenure tenure-track position or a long-term non-tenure-track position. RII Track-4 awards will be made as standard grants. The award amount will not exceed \$300,000 and the project duration will not exceed 24 months. Interested faculty are encouraged to participate in the informational [webinar](#).

NSF Full Proposal Deadline: March 13, 2018.



Limited Submission Program: NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)

[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 S-STEM \(NSF 17-527\): Notify RCA by 01/15/2018, 5 p.m.](#)

Recognizing that financial aid alone cannot increase retention and graduation in STEM fields, this program provides awards to Institutions to fund scholarships and to advance the adaptation, implementation, and study of effective evidence-based curricular and co-curricular activities that support recruitment, retention, transfer (if appropriate), student success, academic/career pathways, and graduation in STEM. The S-STEM program encourages collaborations among different types of partners. An Institution may submit one proposal (either as a single institution or as subawardee or a member of a Collaborative Research project) from each constituent school or college that awards degrees in an eligible field.

NSF Full Proposal Deadline: March 28, 2018.



Advanced Research Projects Agency – Energy (ARPA-E) OPEN 2018 Funding Opportunity

The [Advanced Research Projects Agency-Energy \(ARPA-E\)](#) at the U.S. Department of Energy funds high-potential, high-impact energy technologies that are too early for private-sector investment. ARPA-E awardees are unique because they are developing entirely new ways to generate, store, and use energy. ARPA-E projects have the potential to radically improve U.S. economic prosperity, national security, and environmental wellbeing.

Approximately every three years, ARPA-E issues OPEN Funding Opportunity Announcements (FOAs) as a means to address the full range of energy-related technologies and fund those potentially disruptive technology concepts not currently supported through an ARPA-E focused FOA.

A broad variety of projects will be welcomed, and examples include electricity generation by both renewable and non-renewable means; electricity transmission, storage, and distribution; energy efficiency for buildings, manufacturing and commerce, and personal use; and all aspects of transportation, including the production and distribution of both renewable and non-renewable fuels, electrification, and transportation energy efficiency.

Applicants must address the potential impact of the proposed technology on the agency's Mission Areas:

- Reducing imported energy
- Reducing energy-related emissions
- Improving energy efficiency

Cost share is required; see the [funding opportunity announcement](#) for details.

Concept Papers are due February 12, 2018 by 4 p.m. For more information, visit the [OPEN 2018 website](#), download the [funding opportunity announcement](#), or read this [program summary](#) with concept paper guidelines.



Fellowship Opportunity for Women Post-Doctoral Researchers

Applications for the 2017 L'Oréal USA For Women in Science fellowship program are **now open** and are due on **Friday, February 2, 2018**. The L'Oréal-UNESCO For Women in Science program recognizes and rewards the contributions women make in STEM fields and identifies exceptional women researchers committed to serving as role models for younger generations. More than 2,250 women scientists in over 110 countries have been recognized since the program began in 1998.

In the US, the For Women In Science fellowship program awards five post-doctoral women scientists annually with grants of \$60,000 each. Applicants are selected from a variety of fields, including the life and physical/material sciences, technology (including computer science), engineering, and mathematics.

The application and more information about the program can be found at www.lorealusa.com/forwomeninscience.



Sanford Health NDSU Collaborative Seed Grant Program-Internal grant program

The fourth Sanford Health NDSU Collaborative Seed Grant program's Request for Applications will be released January 8, 2018. Proposals are to be submitted electronically to NDSU.BusinessDev@ndsu.edu by 5:00 p.m. on March 19, 2018. The full Request for Applications and Application form can be downloaded from https://www.ndsu.edu/research/for_facultyresearchers/sanford_health_ndsu_seed_grant/.

To better facilitate collaboration between NDSU and Sanford Health, collaborators are requested to submit a short description of a possible proposal by January 29th. Additional information about the Collaboration Request can be found in the RFA or at the link above.

Questions regarding suitability of topic areas, collaborating with Sanford, or other program-related questions can be addressed by Business Development (1-6660 or NDSU.businessdev@ndsu.edu).



December Issue of Research Development and Grant Writing News

The December 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:

- Organizing the Proposal Narrative
- The Grant Writer's Narrative Checklist
- Understanding NSF by Its Resource Allocation Strategies
- How to be Competitive for Externally Funded Grants - Internationally



Fall 2017 NSF Grants Conference Webcast Available Online

The Fall 2017 National Science Foundation (NSF) Grants Conference Webcast is now available online. You can view all the presentations and recordings of the plenary sessions from the NSF Grants Conference [here](#). Topics include: Types of NSF Funding Opportunities, Proposal Preparation, Award Management, the Faculty Early Career Development (CAREER) Program, Merit Review, and more.



NDSU Office of Research and Creative Activity Announces 2017-18 Seed Grants and NDSU EXPLORE Undergraduate Research Awards

The NDSU Office of Research and Creative Activity (RCA) has awarded \$96,608 in RCA Seed Grants and NDSU Explore Undergraduate Research Awards for 2017-2018.

Awarded to faculty, the RCA Seed Grants are intended to promote research and creative activities while improving the competitiveness found in external funding. Each award is valued up to \$5,000 and 18 seed grants were awarded among the 38 applications received. Each NDSU EXPLORE Undergraduate Research Award provides up to \$1,500 in support of an undergraduate researcher. Six undergraduate grants were awarded among the nine applications received.

In addition, the RCA Office continues to fund travel for NDSU faculty and awarded \$29,384 to support them in presenting research and scholarly work at national conferences and awarded \$1,000 in Research Support Services.

“The seed grant funds promote that research which helps our students and their professors connect with their curiosity and innovate in new and existing ways,” commented NDSU Vice President of Research and Creative Activity Kelly A. Rusch. “And it’s gratifying to be able to invest in these studies across a wide breadth of disciplines.”

RCA Seed Grants for 2017-2018 include projects in microbiological sciences, pharmaceutical sciences, mechanical engineering, electrical & computer engineering, psychology, geosciences, construction management and engineering, biological sciences, computer science, civil and environmental engineering.

NDSU EXPLORE Undergraduate Research Awards for 2017-2018 include projects in biological sciences, electrical and computer engineering, mechanical engineering, chemistry and biochemistry, construction management and engineering, and architecture and landscape architecture.

For a full list of recipients, visit the Research and Creative Activity [website](#).



North Dakota EPSCoR Awards Graduate Student Cyberinfrastructure Research Assistantships at NDSU

The North Dakota Established Program to Stimulate Competitive Research (ND EPSCoR) has awarded four NDSU students with graduate student cyberinfrastructure assistantships.

ND EPSCoR’s Graduate Student Cyberinfrastructure Assistantship (CI) program on the NDSU campus is designed to increase understanding of advanced research hardware and software computing for NDSU graduate students, provide CI support to other NDSU researchers, and help develop educational modules about the uses and benefits of CI. These educational modules will be used to train undergraduate and graduate students and faculty at NDSU, the four North Dakota University System primarily undergraduate institutions, and the five tribal colleges located in North Dakota.

The four NDSU graduate student CI awardees are:

- | | | |
|--------------------|-------------------------------------|-------------|
| • Xiaowei Chen | Electrical and Computer Engineering | Jinhui Wang |
| • Jonathon Edstrom | Electrical and Computer Engineering | Na Gong |
| • Jingyan Fu | Electrical and Computer Engineering | Jinhui Wang |
| • Russell Hormann | Chemistry and Biochemistry | Mukund Sibi |

Each individual will work 10 hours each week in the NDSU Center for Computationally Assisted Science and Technology (CCAST) and 10 hours each week with their department supervisor.

North Dakota EPSCoR is a federally and state funded program designed to increase the competitiveness of North Dakota for merit-based grants and contracts in support of research in the disciplines of science,

technology, engineering and mathematics (STEM) from federal funding agencies in an atmosphere that promotes leadership, teamwork and the convergence of those sciences.

As a student-focused, land-grant, research university, we serve our citizens.



Changes to NIH Policy for Issuing Certificates of Confidentiality

Effective October 1, 2017, NIH modified its policy for issuing **Certificates of Confidentiality** to research supported in whole or in part by NIH.

All NIH-funded research that was ongoing as of October 1, 2017, and is within the scope of this policy is deemed to be issued a Certificate and is therefore required to protect the privacy of individuals who are subjects in accordance with subsection 301(d) of the Public Health Service Act.

To what does this policy apply?

This policy applies to all biomedical, behavioral, clinical, or other research funded wholly or in part by the NIH that collects or uses identifiable, sensitive information.

What is *identifiable, sensitive information*?

Information about an individual that is gathered or used during the course of biomedical, behavioral, clinical, or other research, where the following may occur:

- An individual is identified; or
- For which there is at least a very small risk that some combination of the information, a request for the information, and other available data sources could be used to deduce the identity of an individual.

For more information regarding investigator responsibilities for conducting research with a Certificate of Confidentiality, please see the "[Resources](#)" page of the IRB website.



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UPDATE: Potential Delay in Revised Common Rule Implementation

New standard operating procedures, protocol applications, forms, and templates have been drafted to comply with the revised [Common Rule](#) currently scheduled to take effect January 19, 2018. These forms can be found on the IRB website [Forms page](#). While the Office of Information and Regulatory Affairs (OIRA) is still considering a delay in implementation, NDSU is prepared to comply with the revised rule should it go into effect as planned. We will continue to monitor and provide updates as they become available.



Proposal and Award Management Session #10

The next session in the Proposal and Award Management series will be held on **Thursday, January 18 from 11:00 – 11:45 a.m. in EML, Room 170 – *please note location change***. The topic area for this meeting is Electronic Research Administration and Compliance (ERAC). NDSU is working with Novelution Corp. on a software solution for electronic research administration and compliance (ERAC) which will permit faculty and researchers to build their proposals in the system and electronically route proposals for necessary approvals/signatures.

These sessions are being offered monthly by Sponsored Programs Administration (SPA) and Grant & Contract Accounting (GCA). These sessions will provide information and training on topics that are relevant to various aspects of proposal submission and award management. Anyone that participates in any way or has an interest in proposal or budget development, routing and submission of proposals, processing or approving expenditures on awards (allowable costs, payroll, equipment, materials, etc.), overall award management, award compliance, locating funding opportunities, or electronic research administration is encouraged to attend. These sessions are open to all faculty, researchers, and staff. Materials from the sessions are available on the [Sponsored Programs Training](#) website.

The QBB room is enabled with videoconferencing (IVN), so if you need to participate via IVN, please contact Faye Klein in SPA (231-8045 or faye.klein@ndsu.edu.) IVN participants will need to reserve their site and let Faye know so that SPA can set up for each requesting site. SPA will need the room name and the IP address no later than 10:00 a.m. the day prior to the session. Participants who cannot attend in person or via IVN may be able to connect in two other ways:

1. directly from their laptop or desktop computer using a specific software application, or
2. via an audio connection that can be added to the IVN event.

Participants via personal computer or audio-only will want to contact Faye as soon as possible to ensure adequate time for connections, configuration, and testing.

Note: Although Sessions are scheduled to be completed within 45 minutes, SPA and GCA representatives will be available for at least 15 minutes after each Session in order to answer any additional questions that participants may have.



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