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To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - March 19, 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 Cybersecurity Innovation for Cyberinfrastructure \(CICI\)](#)
- [Defense Advanced Research Projects Agency \(DARPA\) Research Announcement \(RA\): Polyplexus Pilot](#)
- [NSF and USDA-NIFA: Innovations at the Nexus of Food, Energy and Water Systems \(INFEWS\)](#)
- [USDA-NIFA: Higher Education Challenge \(HEC\) Grants](#)
- [North Dakota Industrial Commission – Outdoor Heritage Fund](#)
- [Medica Foundation](#)
- [Colorado School of Public Health – Center for Health, Work & Environment](#)

NEWS & NOTICES

- [NSF CAREER Webinar](#)
- [New Hire in Sponsored Programs Administration](#)
- [SDSU Invites NDSU to NSF Day](#)
- [March Issue of Research Development and Grant Writing News](#)

EVENTS

- [First “Rodent Round Table” Scheduled](#)
- [Proposal and Award Management Session #12](#)

Limited Submission Program: NSF Cybersecurity Innovation for Cyberinfrastructure (CICI)

[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 Cybersecurity Innovation for Cyberinfrastructure \(CICI\): Notify RCA by 03/30/2018, 5 p.m.](#)

The objective of the National Science Foundation’s Cybersecurity Innovation for Cyberinfrastructure (CICI) program is to develop, deploy and integrate security solutions that benefit the scientific community by ensuring the integrity, resilience and reliability of the end-to-end scientific workflow. With the solicitation, [NSF 18-547](#), CICI seeks three categories of projects:

1. **Secure Scientific Cyberinfrastructure:** These awards seek to secure the scientific workflow by encouraging novel and trustworthy architectural and design approaches, models and frameworks for the creation of a holistic, integrated security environment that spans the entire scientific CI ecosystem;
2. **Collaborative Security Response Center:** This single award targets the development of a community resource to provide security monitoring, analysis, expertise, and resources Research & Education (R&E) cyberinfrastructure staff, regardless of physical location or organization; and
3. **Research Data Protection:** These awards provide solutions that both ensure the provenance of research data and reduce the complexity of protecting research data sets regardless of funding source.



Defense Advanced Research Projects Agency (DARPA) Research Announcement (RA): Polyplexus Pilot

The Defense Sciences Office (DSO) at DARPA is seeking participants for a pilot program designed to utilize modern connectivity to rapidly develop promising basic research pathways and then efficiently develop basic research proposals. DSO's intent is to fund some of the research proposals resulting from this pilot program. As with other recent DARPA/DSO opportunity announcements, the intent of this program is to deliver research proposals that seek to investigate innovative approaches to enable revolutionary advances in science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.

Application Deadline: July 20, 2018.

Additional information regarding this Research Announcement can be found on [Grants.gov](https://www.Grants.gov).



NSF and USDA-NIFA: Innovations at the Nexus of Food, Energy and Water Systems (INFEWS)

The National Science Foundation (NSF) and the United States Department of Agriculture (USDA) announced a joint funding program: Innovations at the Nexus of Food, Energy and Water Systems (INFEWS). The overarching goal of INFEWS is to catalyze the well-integrated interdisciplinary research efforts to transform scientific understanding of the FEW nexus in order to improve system function and management, address system stress, increase resilience, and ensure sustainability. This program fits within NDSU's strategic research themes. You can view this funding opportunity through the [NSF Solicitation](#), or the [USDA-NIFA RFA](#).

Application Deadline: September 26, 2018.



USDA-NIFA: Higher Education Challenge (HEC) Grants

The [HEC](#) Grants Program seeks to improve formal baccalaureate and master's degree programming in food, agricultural, natural resources, and human sciences (FANH) education and first professional degree-level education in veterinary medicine. Projects may improve the economic health and viability of communities through the development of degree programs emphasizing new and emerging employment opportunities. They may also address the national challenge to increase the number and diversity of students entering the FANH sciences. Please see the [funding opportunity](#) for details.

Application Deadline: May 7, 2018.



North Dakota Industrial Commission – Outdoor Heritage Fund

The [Outdoor Heritage Fund](#) was established in 2013 as a multi-million dollar program to provide grants to state agencies, tribal governments, political subdivisions, and nonprofits to:

- Directive A: Provide access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;
- Directive B: Improve, maintain, and restore water quality, soil conditions, plant diversity, animal systems, and to support other practices of stewardship to enhance farming and ranching;

Directive C: Develop, enhance, conserve, and restore wildlife and fish habitat on private and public lands; and
Directive D: Conserve natural areas for recreation through the establishment and development of parks and other recreation areas.

The Outdoor Heritage Fund receives up to \$40 million per biennium from oil and gas production tax revenue. The North Dakota Industrial Commission has oversight of the Outdoor Heritage Fund.

Upcoming application deadlines: April 1, 2018; Oct. 1, 2018; May 1, 2019; Nov. 1, 2019



Medica Foundation

Medica Foundation provides grants in the region of North Dakota, Wisconsin, Minnesota, and South Dakota.

The **Behavioral Health** initiative seeks proposals for programs that help people with serious mental illness and addictions recover and lead productive lives in their communities. The Foundation funds programs focused on a continuum of care and provides intensive, person-centered, multidisciplinary services using evidence-based screening, assessment, diagnostic, treatment and/or prevention services. The focus of this funding area is to:

- Address gaps in current behavioral health service
- Integrate physical and mental health care
- Provide supportive and intensive case management services
- Address behavioral health needs identified by the Minnesota 10x10 Assertive Community Treatment (ACT) initiative

Application deadline: April 6, 2018

The **Early Childhood Health** initiative seeks proposals that focus on developing healthy families to foster optimal growth and development of young children. Programming that meets criteria for this RFP includes:

- Improves access to prenatal and postnatal care
- Addresses preventive health including well child check-ups
- Addresses preventive and restorative dental care
- Enhances parenting skills
- Supports healthy social and emotional development
- Address the health needs of children experiencing homelessness
- Focus on children ages birth through age 12

Application Deadline: May 11, 2018



Colorado School of Public Health – Center for Health, Work & Environment

Total Worker Health® Pilot Project Awards are research grants that support innovative studies and research-to-practice projects in occupational and environmental health and safety. Total Worker Health awards support projects that address both protection from work-related safety and health hazards and promotion of injury and illness prevention. The grants are designed to help early career investigators jump-start their careers and allow for more established researchers from other disciplines to enter the field.

Application deadline: April 2, 2018



NSF CAREER Webinar

The National Science Foundation (NSF) Early Career Development Program (CAREER) has scheduled a webinar from 12:00 p.m. to 2:00 p.m. on May 15, 2018. The NSF CAREER Coordinating Committee hosts a webinar to answer participants' questions about development and submission of proposals to the NSF Faculty Early Career Development Program (**CAREER**). The webinar will give participants the opportunity to interact with members of the NSF-wide CAREER Coordinating Committee in a question-and-answer format.

In preparation for the webinar, participants are encouraged to consult material available on-line concerning the CAREER program. In particular, the CAREER program [webpage](#) has a wealth of current information about the program.

For more information about the webinar and to register, visit the NSF CAREER Program Webinar [webpage](#).



New Hire in Sponsored Programs Administration

Vicki Miller joined Sponsored Programs Administration on March 12 as a second Budget & Program Officer. In this role, she will provide assistance with proposal budget review and approval, electronic proposal submissions and non-financial post-award items.

Vicki has a Masters degree in Educational Leadership from NDSU and has worked for NDSU for over 19 years in a variety of positions. Most recently Vicki was with the Extension Center for Community Vitality in Bismarck. Vicki's email is Victoria.miller@ndsu.edu and her phone number is 231-8898.



SDSU Invites NDSU to NSF Day

A dozen representatives from the National Science Foundation (NSF) will hold NSF Day at South Dakota State University (SDSU) on Thursday, March 29, 2018.

NSF Day provides basic insight and instruction on how to compete for NSF funding for science, engineering and education research. This day-long workshop will provide background on the Foundation, its mission, priorities, and budget. During the morning, researchers will learn about proposal writing, NSF's merit review process, and programs that fall within NSF's seven directorates, as well as funding opportunities that cross disciplinary boundaries. In the afternoon, NSF representatives will host discipline-specific breakout sessions to personally engage in discussions with attendees.

Registration for this event is \$50, if received before 4:00pm CST on Wednesday, March 21, 2018. Late and onsite registration will cost \$65. Registration fees include continental breakfast, lunch, and refreshments.

To register, see a draft agenda, and learn more, click [here](#).

If you are considering attending this NSF event at SDSU, the NDSU Research and Creative Activity Office will pay for the \$50 early registration fee. Please indicate your interest to ndsu.researchdev@ndsu.edu by Tuesday, March 20, and we will follow up with registration instructions.



March Issue of Research Development and Grant Writing News

The March 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:

- NASA's New Strategic Plan, 2018-2021
- The Benefits of an Organizational Edit
- NSF's 10 Big Ideas & Convergence Accelerators
- Decoding NSF for Funding Success



First "Rodent Round Table" Scheduled

The Attending Veterinarian and IACUC Offices would like to invite staff and faculty interested and involved in rodent research and care to attend the first **"Rodent Round Table."** The Rodent Round Table will be an every other month lunchtime gathering to discuss issues related to lab animal research. The format is informal and agenda driven by the interests of the individuals attending. We hope to develop an ongoing, inquisitive, collaborative group of people that

help one another learn more about research involving the care and use of rodents. The first meeting will focus on Mycoplasma contaminated cell lines and animal procurement. We hope to see you there.

Thursday, March 29, 2018 | 12:00-1:00 p.m. | Memorial Union Room of Nations



Proposal and Award Management Session #12

The next session in the Proposal and Award Management series will be held on **Thursday, March 22 from 11:00 – 11:45 a.m. in EML, Room 183**. The topic area for this meeting is Research Integrity and Compliance – IRB, IACUC, IBC, RCR, COI, and Export Controls. These groups will address steps for success in navigating research integrity and compliance requirements related to proposals and awards including identifying regulatory, institutional and funding agency specific requirements.

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.

Room 183 in EML 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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