

Sent: Monday, April 10, 2017 2:46 PM
To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - April 10, 2017 Edition



Welcome to the Research and Creative Activity Update!

The Office of Research and Creative Activity wants to make sure you are provided with up-to-date information pertaining to research and scholarly activities and opportunities. Thus, to share information quickly rather than through multiple emails, we will continue to provide weekly updates for researchers, scholars and staff to keep up-to-date on grant program changes, deadlines, notices and training, with links to expand the information you may be interested in.

Thank you for your contributions to research and creative activity at NDSU.

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

FUNDING OPPORTUNITIES

- [NDSU Bioinformatics Seed Grant Program](#)
- [Dear Colleague Letter: Growing Convergence Research at NSF](#)
- [Building Capacity for Science Communication Partnership Awards](#)
- [Notification Due Date for Upcoming Limited Submission Program – NSF Big Data Spokes](#)
- [Notification Due Date for Upcoming Limited Submission Program – NIH COBRE](#)

NOTICES

- [National Ecological Observatory Network \(NEON\)](#)
- [NDSU Researcher Synthesizes 275 Gallons of Material for Field Testing](#)
- [New Staff Member in the Research Integrity and Compliance Unit](#)

EVENTS

- [Register Now: Live Webinar Workshop – Writing successful proposals to NSF CAREER](#)

NDSU Bioinformatics Seed Grant Program

In anticipation of another year of NIH funding, the NDSU Office of Research and Creative Activity invites competitive proposals for Bioinformatics Seed Grant research projects. These seed grants are intended to launch promising new research projects in bioinformatics, bringing them to the point where they can attract more funding from external sources. Note that those who plan to apply for funding are required to send a **Notice of Intent to Apply** to ndsu.researchdev@ndsu.edu by April 19, 2017. The final application deadline is May 19, 2017. For complete application instructions, please see the program guidelines on the [NDSU Research Development website](#).



Dear Colleague Letter: Growing Convergence Research at NSF

Convergence can be characterized as the deep integration of knowledge, techniques, and expertise from multiple fields to form new and expanded frameworks for addressing scientific and societal challenges and opportunities. It is related to other concepts used to identify research that spans disciplines: transdisciplinary, interdisciplinary, and multidisciplinary.

Growing Convergence Research at the National Science Foundation (NSF) is one of [10 Big Ideas for Future NSF Investments](#). NSF seeks to highlight the value of convergence as a process for catalyzing new research directions and advancing scientific discovery and innovation. [This Dear Colleague Letter](#) describes an initial set of opportunities to explore Convergence approaches within four of the research-focused NSF Big Ideas:

- Harnessing the Data Revolution for 21st Century Science and Engineering
- Navigating the New Arctic
- The Quantum Leap: Leading the Next Quantum Revolution
- Work at the Human-Technology Frontier: Shaping the Future

NSF is asking for workshop and Summer School proposals as well as Research Coordination Network (RCN) proposals to start the communities' thinking about convergence in these areas.



Building Capacity for Science Communication Partnership Awards

In December 2016, the National Academies of Sciences, Engineering, and Medicine published a new consensus study report, [Communicating Science Effectively: A Research Agenda](#). Now, with support from the Rita Allen Foundation, the National Academy of Sciences is pleased to offer two awards of \$37,500 each to bring the report's vision for robust science communication research closer to fruition. [You can view the call for proposals here](#). These awards will support the formation and development of partnerships of science communication researchers and practitioners and facilitate their efforts to plan collaborative projects that pursue shared research interests aligned with the report. Those receiving awards will present details about their collaborations at a special session of the Arthur M. Sackler Colloquium on the *Science of Science Communication III* to be held on November 16-17, 2017. Additional support for the Colloquium is provided by the Annenberg Public Policy Center of the University of Pennsylvania and the Burroughs Wellcome Fund. To apply for these awards, researchers and practitioners who have agreed to work in partnership should submit a proposal by June 1, 2017. [Click here](#) for proposal submission details. For assistance email SSC3Awards@nas.edu.



Notification Due Date for Upcoming Limited Submission Program – NSF Big Data Spokes

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.

Notification emails are due to NDSU.ResearchDev@ndsu.edu for the following upcoming Limited Submission program: **[Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications \(BD Spokes\)](#)** – Notification due **5/1/2017 by 5pm.**

In FY 2016, the *Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications (BD Spokes)* solicitation began extending the BD Hubs network by establishing multi-institutional and multi-sector collaborations to focus on topics of specific interest to a given region. The first set of BD Spokes was funded in FY 2016. This solicitation calls for new BD Spoke proposals to be awarded in FY 2018. Collaborating with BD Hubs, each BD Spoke will focus on a particular topic that requires Big Data approaches and solutions. Full proposals for BD Spokes are due to NSF on September 18, 2017. BD Spoke proposals submitted in response to this solicitation must include a Letter of Collaboration from a regional BD Hub.

An organization may participate as submitting organization (or, in the case of collaborative proposals, as the lead organization) for at most one proposal responsive to this solicitation. Proposal submissions are limited to 1 per organization (except as non-lead in a collaborative proposal) to maintain a balanced geographic representation of the Regional Hubs and Spokes program and to increase diversity of participating institutions.

[^^](#)

Notification Due Date for Upcoming Limited Submission Program – NIH COBRE

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.

Notification emails are due to NDSU.ResearchDev@ndsu.edu for the following upcoming Limited Submission program: **[NIH COBRE \(NIH Program Announcement PAR-16-415\)](#)** – Notification due **5/12/2017 by 4pm.**

The NIH COBRE program seeks to promote the initiation and development or expansion of unique, innovative state-of-the-art biomedical and behavioral research centers at institutions in IDEA-eligible states. The primary objective of the COBRE initiative is to build and develop thematic multi-disciplinary research centers. Research supported by this program spans the full spectrum of basic and clinical sciences and encompasses all areas of health-related investigation.

[^^](#)

National Ecological Observatory Network (NEON)

The **[National Ecological Observatory Network \(NEON\)](#)** is an NSF-funded continental-scale observation system for examining ecological change over time. NEON sites are strategically located across the US within **[20 eco-climatic domains](#)** that represent regions of distinct landforms, vegetation, climate and ecosystem dynamics. In February, NEON announced the 2017 flight campaign schedule for **[NEON's Airborne Observation Platform](#)**. The campaign will run from March to November, covering eighteen NEON domains with forty-three terrestrial sites and twenty-four aquatic sites. Following are some additional NEON resources:

- **[Information for Researchers](#)**
- **[Recent publications related to NEON](#)**

[^^](#)

NDSU Researcher Synthesizes 275 Gallons of Material for Field Testing

With funding from the ND Soybean Council and ND Department of Commerce, Senior Research Engineer Jim Bahr has recently scaled up the synthesis of a soy-based road dust control agent using the twin 10 liter glass reactors available to NDSU researchers through the Research Operation Service Center. These highly versatile reaction vessels were first used to optimize his process conditions (small scale 1 liter) followed by a campaign of over 100 batches at full capacity. This effort produced enough material to treat a ¼ mile section of gravel road for a demonstration of the technology this summer. For more information on how these tools can assist with your research

please contact Jim Bahr (1-5927, james.bahr@ndsu.edu) or visit the Research Operations web page at https://www.ndsu.edu/research/research_operations/.



New Staff Member in the Research Integrity and Compliance Unit

Lynn (Tye) Titus has been hired as NDSU's Export Control Administrator. In addition to an extensive law enforcement experience, Tye has been working in higher education for over 9 years. Contact Tye at lynn.titusjr@ndsu.edu, NDSU.ExportControls@ndsu.edu or 231-6455. His office is located in the Research 1 Building.



Register Now: Live Webinar Workshop - Writing successful proposals to NSF CAREER

On April 26, 2017, the research development office is facilitating participation in a live webinar focused on how to write a successful proposal to NSF's Faculty Early Career Development Program (CAREER). Topics will include:

- How to decide when and if to apply for a CAREER grant
- How to position yourself and your research to be competitive for a CAREER
- How to structure your proposal
- How to develop an education plan
- Addressing diversity
- Keys to success and common mistakes to avoid
- A step-by-step discussion of each section of the proposal and what it needs to tell the reviewers
- How to analyze reviews and decide whether to revise and resubmit
- Questions and Answers

Participants will also receive a package that includes annotated excerpts from successful proposals and other helpful resources.

Webinar: Writing successful proposals to NSF's Faculty Early Career Development Program (CAREER)

Lucy Deckard, Academic Research Funding Strategies, LLC

Wednesday, April 26 | 11am-1:30pm | QBB Room 422

[Register Now!](#)



Proposal & Award Management Sessions

The Sponsored Programs Administration (SPA) and Grant & Contract Accounting (GCA) offices will be sponsoring monthly Proposal & Award Management sessions. 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.

All sessions will be held in the Quentin Burdick, room 422, from 11:00am - 11:45am. This 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 complete within 45 minutes, SPA and GCSA representatives will be available for at least 15 minutes after each Session in order to answer any additional questions that participants may have.

Here are the dates and topics for the first 6 sessions:

April 20	<u>Focus on Fundamentals: Sponsored Programs and Grant & Contract Accounting</u> – general overview highlighting the services provided by each office.
May 18	<u>Proposal Review</u> - emphasis on budget review, sponsor guidelines, compliance check and NDSU policies; what SPA reviews.
June 15	<u>Award Management-Part 1</u> - funding mechanisms, the negotiation process, key components and award terms, compliance verification, award hand-off from SPA to GCA.
July 13	<u>Award Management-Part 2</u> – award set-up, GCA expenditure review, award management elements.
August 17	<u>Round Table Discussions</u> – multiple discussion tables will be available with an opportunity for attendees to select three topics of interest and participate in 15 minute “mini-sessions”.
September 14	<u>Reports and Queries: PeopleSoft and beyond</u> – Review of reports and queries available to assist users in managing proposal and award activity.



You are receiving this notification through the NDSU official staff or faculty 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.