

**Sent:** Monday, September 11, 2017 2:48 PM  
**To:** NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU  
**Subject:** RCA Update - September 11, 2017 Edition



### **Welcome to the Research and Creative Activity Update!**

To share information quickly rather than through multiple emails, we will be providing 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**

- [NEH: Humanities Connections Planning Grants](#)
- [Limited Submission Program: NSF Research Traineeship Program \(NRT\)](#)
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- [NSF Improving Undergrad STEM Ed: Education and Human Resources \(IUSE:EHR\)](#)
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### **NOTICES**

- [Encourage Your Students to Register for NDSU EXPLORE – November 1, 2017](#)

### **EVENTS**

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- [SAVE THE DATE! Mouse Anesthesia for IACUCs and Researchers Webinar](#)
- [Patent It! Panel](#)

### **NEH: Humanities Connections Planning Grants**

The [Humanities Connections Grant Program](#) seeks to expand the role of the humanities in undergraduate education at two- and four-year institutions. Grants will support innovative curricular approaches that foster productive partnerships among humanities faculty and their counterparts in the social and natural sciences and in pre-service or professional programs (such as business, engineering, health sciences, law, computer science, and other technology-driven fields).

Competitive applications will demonstrate

- that the proposed curricular projects address significant and compelling topics or issues in undergraduate education at the applicant institution(s);
- that these projects engage the intellectual skills and habits of mind cultivated by the humanities; and
- that faculty and students will benefit from meaningful collaborations in teaching and learning across disciplines as a result of the project.

Humanities Connections grants are funded at two levels: **Planning** and **Implementation**. For more information, see the [NEH website](#).

### Limited Submission Program: NSF Research Traineeship Program (NRT)

[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 Research Traineeship Program \(NSF NRT\): Notify RCA by 9/25/2017 at 5:00pm](#)

The new solicitation for the NSF Research Traineeship program (NSF NRT) is expected to be released this Fall. In anticipation of its release, RCA is asking for notification of interest by September 25, 2017. The NRT program is designed to encourage the development and implementation of bold, new, and potentially transformative models for STEM graduate education training. The NRT program seeks proposals that ensure that graduate students in research-based master's and doctoral degree programs develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. Letters of Intent are tentatively due to NSF on December 8, 2017, with full proposals tentatively due February 7, 2018. See [FAQs](#) for additional information. **Please note:** *The Innovations in Graduate Education (IGE) Track is no longer a part of NRT; it has been split off to become a separate NSF program.* It is anticipated that at least two Traineeship Track proposals will be allowed per institution.



### USDA National Needs Graduate and Postgrad Fellowships Program

The [USDA National Needs Graduate and Postgrad Fellowships Program](#) grant program supports: (1) training students for master's and doctoral degrees in food, agricultural and natural resource sciences; and (2) Special International Study or Thesis/Dissertation Research Travel Allowances (IRTA) for eligible USDA NNF beneficiaries. Awards are specifically intended to support traineeship programs that engage outstanding students to pursue and complete their degrees in USDA mission areas. Applicants provide clarity about the philosophy of their graduate training, and relevance to USDA mission sciences, NIFA priorities and national science education policies and statistics. Applications are being solicited from institutions that confer a graduate degree in at least one of the following Targeted Expertise Shortage Areas: 1) animal and plant production; 2) forest resources; 3) agricultural educators and communicators; 4) agricultural management and economics; 5) food science and human nutrition; 6) sciences for agricultural biosecurity; and 7) training in integrative biosciences for sustainable food and agricultural systems. The application deadline is October 31, 2017.



### NSF Improving Undergrad STEM Ed: Education and Human Resources (IUSE:EHR)

The [NSF Improving Undergrad STEM Ed: Education and Human Resources \(IUSE:EHR\)](#) program is a core NSF undergraduate STEM education program that seeks **to improve the effectiveness of undergraduate STEM education for both majors and non-majors**. IUSE: EHR supports projects that have the potential to improve student learning in STEM through development of new curricular materials and methods of instruction, and development of new assessment tools to measure student learning. In addition to innovative work at the frontier of STEM education, this program also encourages replications of research studies at different types of institutions and with different student bodies to produce deeper knowledge about the effectiveness and transferability of findings. Toward these ends, the program features two tracks: (1) Engaged Student Learning and (2) Institutional and Community Transformation. Two tiers of projects exist within each track: (i) Exploration and Design and (ii) Development and Implementation. Application deadlines vary depending on the track and tier.



### NSF Dear Colleague Letter: Life STEM

Through this [Dear Colleague Letter \(DCL\)](#), NSF invites eligible organizations to submit research proposals that inform, create, implement, and evaluate models of intervention that will advance the knowledge base for establishing and retaining underrepresented minorities in STEM fields with particular attention to life science and the

biosciences. Proposals should partner eligible organizations with local elementary, middle or high schools to foster collaborative relationships between K-12 science educators and the research community. The activities may occur in formal and/or informal settings. Proposals may address science topics and activities related to curriculum development, teacher support, and student engagement. Proposals should describe effective methods to disseminate findings broadly to the K-16 science education community.

Researchers are invited to submit proposals to one of the following programs, in accordance with NSF's *Proposal and Award Policies and Procedures Guide (PAPPG)* and individual program solicitation requirements.

- Discovery Research PreK-12
- Innovative Technology Experiences for Students and Teachers
- Advancing Informal STEM Learning Program
- EHR Core Research
- Improving Undergraduate STEM Education

Through this DCL, researchers may also submit EARly-concept Grants for Exploratory Research (EAGER) proposals to explore new directions or appropriate extensions of disciplinary-based research activities. For more information, see the [NSF Dear Colleague Letter announcement](#).



### Encourage Your Students to Register for NDSU EXPLORE – November 1, 2017

The 2017 NDSU EXPLORE Undergraduate Research Showcase will take place November 1, 2017 in the NDSU Memorial Union. Students present their creative projects, whether complete or in-progress, as a poster, oral presentation, or other format. Encourage your students to register to present their research and scholarly projects. For more information, including the registration link, visit the [NDSU EXPLORE](#) page online.



[Find us on Facebook](#)



### NSF Program Director Visit

Dr. Brigid Mullany will be visiting NDSU on September 13, 2017. She will be giving a Gear Up for Grants presentation that will provide an overview of the National Science Foundation (NSF) and the funding opportunities within the Civil, Mechanical and Manufacturing Innovation (CMMI) division. Emphasis will be on the Advanced Manufacturing cluster which includes the following programs; Cybermanufacturing Systems (CM), Design of Engineering Material Systems (DEMS), Manufacturing, Machines and Equipment (MME), Materials Engineering and Processing (MEP), and Nanomanufacturing (NM). She will also speak about the review process, the elements required for a strong proposal submission, and the benefits of getting involved in the review process. Dr. Mullany will also be holding a session on the NSF CAREER program. Register for all sessions at the link below.

#### Gear up for Grants: NSF Overview

Wednesday, September 13 | 9:00am-10:30am | Memorial Union Arikara Room

#### NSF CAREER Brown Bag Session

Wednesday, September 13 | 12:15pm-1:15pm | Memorial Union Hidatsa Room

[Register Now!](#)



### Proposal and Award Management Session #6

The sixth and final session in the Proposal and Award Management series will be held on **Thursday, September 14<sup>th</sup>, from 11:15-12:00, in the Quentin Burdick Building, room 114. Please note the room change and slight time change.**

The topic area for this session is: Reports and Queries: PeopleSoft and Beyond – review of reports and queries available to assist users in managing proposal and award activity.

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](mailto: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.



### **SAVE THE DATE! Mouse Anesthesia for IACUCs and Researchers Webinar**

**SAVE THE DATE!** [Mouse Anesthesia for IACUCs and Researchers Webinar](#) will be hosted on Wednesday, September 20<sup>th</sup> from Noon-1:00, location is yet to be determined.



### **Patent It! Panel**

The Research & Technology Park is hosting a public forum with the US Patent and Trade Office's Rocky Mountain Regional Director, Molly Kocalski on September 20, 2017 from 2:15 – 3:30 p.m. She will give a presentation and will answer questions from individuals on patents, the patent process, and safeguarding intellectual property.

[Register to attend.](#)



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