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.

Hello from the Office of the Vice President of Research and Creative Activity at NDSU! It’s been a full first week, which I have spent getting to know the team and working on our vision and initiatives for the coming year (hint, stay tuned for more information on both of those). On behalf of everyone in RCA, I want you to know that we are here to help you in your research activities. Whether it’s finding opportunities and developing budgets, navigating the proposal submission process, partnering with a technology company, or working with NDSU and federal and state policies, this group is here to help so you can concentrate on what’s important to you: your research work. I invite you to reach out to any of our team or to me directly with your questions or comments.

Thank you!
Jane Schuh
Vice President, Research and Creative Activity

FUNDING OPPORTUNITIES
- NARA: Access to Historical Records
- NIH: Natural Product Early Phase Clinical Trial
- NIH: Enhancing Developmental Biology Research
- NIH: Behavioral and Social Research on Aging
- NSF: LEAP HI
- NSF: Advancing Digitization of Biodiversity Collections
- NSF: Industry-University Cooperative Research Centers
- NSF: Research Internships for Graduate Students

NEWS & NOTICES
- IACUC Updates
- Online Course: NSF ITEST Proposal Development

NARA: Access to Historical Records: Preliminary Major Initiatives or Archival Projects
The National Archives and Records Administration (NARA) National Historical Publications and Records Commission (NHPRC) seeks projects that will significantly improve public discovery and use of major historical records collections. The Commission is especially interested in collections of America’s early legal records, such as the records of colonial, territorial, county, and early statehood and tribal proceedings that document the evolution of the nation’s legal history. All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio and moving images. Projects may:

- Digitize historical records collections, or related collections, held by a single institution and make them freely available online
- Provide access to born-digital records
- Create new freely-available virtual collections drawn from historical records held by multiple institutions
- Create new tools and methods for users to access records.

The NHPRC welcomes collaborative projects, particularly for bringing together related records from multiple institutions. Projects that address significant needs in the field and result in replicable and scalable approaches will be more competitive.

**Access to Historical Records: Major Initiatives (Preliminary)**

*Application deadline: January 17, 2019*

**Access to Historical Records: Archival Projects**

*Application deadline: October 4, 2018*

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**NIH: Natural Product Early Phase Clinical Trial Phased Innovation Award**

This Funding Opportunity Announcement (FOA) [PAR-18-829] encourages applications for investigator-initiated, early phase, clinical trials of natural products (i.e., botanicals, dietary supplements, and probiotics), which have a strong scientific premise to justify further clinical testing. Under this FOA, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support decisions about further development or testing of the natural product. This FOA will provide up to two years (R61 phase) of support for milestone-driven testing of bioavailability, pharmacokinetics, and assessment of the natural product’s effect (i.e., measure of mechanism of action) when used by humans on a biological signature(s). If milestones in the R61 phase are achieved, up to 3 years of additional support (R33 phase) may be awarded to replicate the impact of the natural product on the biological signature(s). This FOA will not support efficacy or effectiveness trials, nor will it support trials to test natural products for the treatment or prevention of cancer.

*New application deadline: August 31, 2018; February 7, 2019; October 8, 2019*

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**NIH: Enhancing Developmental Biology Research**

The goal of this Funding Opportunity Announcement (FOA) [PAR-18-834] is to stimulate developmental biology research in Academic Research Enhancement Award (AREA)-eligible educational institutions that provide baccalaureate or advanced degrees, but that have not been major recipients of NIH support. The AREA grants are intended to support small-scale developmental biology research projects proposed by faculty members of eligible, domestic institutions. The intention is to create research opportunities for developmental biologists who otherwise would be unlikely to participate in NIH-funded research. Furthermore, this FOA encourages:

1. the use of novel or underutilized animal models in developmental biology research, and
2. enhanced exposure of undergraduate students (if available) to the basic concepts required to understand and conduct research on the molecular and cellular basis of embryonic development.

*Application deadlines: September 18, 2018; September 18, 2019; September 18, 2020*

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**NIH: High-Priority Behavioral and Social Research Networks on Aging**

This Funding Opportunity Announcement (FOA) [RFA-AG-19-015] invites applications to provide infrastructure support for advancing development of specific high-priority areas of behavioral and social research of relevance to aging. The infrastructure support will facilitate research networks through meetings, conferences, small-scale pilots, short-term educational opportunities (such as intensive workshops, summer institutes, or visiting scholar programs), and dissemination to encourage growth and development of specified priority areas and build resources for advancing aging-relevant research in the field at large. Network applications are limited to the following areas:

1. Midlife Reversibility of Biobehavioral Risk Associated with Early Life Adversity
2. Stress Measurement
3. Reproducibility in the Social and Behavioral Sciences
4. Life Course Health Disparities at Older Ages
Genomics of Behavioral and Social Science
Integrating Animal Models to Inform Behavioral and Social Research on Aging
Rural Aging

Letter of Intent due: January 1, 2019; Full Application deadline: February 1, 2019

NSF: Leading Engineering for America's Prosperity, Health, and Infrastructure (LEAP HI)
The LEAP HI program [NSF 17-602] challenges the engineering research community to take a leadership role in addressing demanding, urgent, and consequential challenges for advancing America’s prosperity, health, and infrastructure. LEAP HI proposals confront engineering problems that are too complex to yield to the efforts of a single investigator --- problems that require sustained and coordinated effort from interdisciplinary research teams, with goals that are not achievable through a series of smaller, short-term projects. LEAP HI projects perform fundamental research that may lead to disruptive technologies and methods, lay the foundation for new and strengthened industries, enable notable improvements in quality of life, or reimagine and revitalize the built environment.

Searching for collaborators? Visit the NDSU Scholars database.
Letters of Intent due: July 16, 2018; Final full proposals due: September 1-17, 2018

NSF: Advancing Digitization of Biodiversity Collections – 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.

Advancing Digitization of Biodiversity Collections: Notify RCA by 8/1/2018 at 4:00 p.m. if you intend to apply.

The National Science Foundation (NSF) Advancing Digitization of Biodiversity Collections [NSF 15-576] program seeks to enhance and expand the national resource of digital data documenting existing vouchered biological and paleontological collections and to advance scientific knowledge by improving access to digitized information (including images) residing in vouchered scientific collections across the United States. The information associated with various collections of organisms, such as geographic, paleogeographic and stratigraphic distribution, environmental habitat data, phenology, information about associated organisms, collector field notes, and tissues and molecular data extracted from the specimens, is a rich resource providing the baseline from which to further biodiversity research and provide critical information about existing gaps in our knowledge of life on earth. Proposals that address the goals of specimen digitization through innovative plans, strong collaborations among large and small institutions, and mechanisms to build upon existing digitization projects are strongly encouraged.

Application deadline: October 12, 2018

NSF: Industry-University Cooperative Research Centers Program
The National Science Foundation (NSF) Industry-University Cooperative Research Centers (IUCRC) program [NSF 17-516] develops long-term partnerships among industry, academe, and government. The Centers are catalyzed by an investment from the National Science Foundation (NSF) and are primarily supported by industry Center members, with NSF taking a supporting role in the development and evolution of the Center. Each Center is established to conduct research that is of interest to both the industry members and the Center faculty. An IUCRC contributes to the nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an IUCRC uses international collaborations to advance these goals within the global context.

Preliminary proposals due: October 17, 2018; Full proposal target date: December 19, 2018

NSF: Non-Academic Research Internships for Graduate Students
The National Science Foundation (NSF) has issued a Dear Colleague Letter (DCL) [NSF 17-091] describing new commitments and funding opportunities at NSF to ensure graduate students are prepared for the 21st-century STEM
workforce. NSF has identified improvement of graduate student preparedness for the Science, Technology, Engineering and Mathematics (STEM) workforce as one of its priorities. As part of this effort, a supplemental funding opportunity is available in fiscal year (FY) 2018 and FY 2019. This funding provides support for non-academic research internships for graduate students for career opportunities in any sector of the U.S. economy. This internship opportunity is available as a supplement to current NSF grants awarded by the Directorate for Education and Human Resources (EHR), Directorate for Engineering (ENG), and Office of Advanced Cyberinfrastructure (OAC) within the Directorate for Computer and Information Science and Engineering (CISE). Grantees are encouraged to include NSF Graduate Research Fellows and Honorable Mentions in their proposals. These supplements could provide graduate students with the opportunity to augment their research assistantships with additional non-academic research internship activities and training opportunities that will complement their academic research training. This will only support graduate students who are doctoral candidates. Graduate students must have completed at least one year in their graduate programs and be making satisfactory progress towards the completion of their degrees.

IACUC Updates
The Institutional Animal Care and Use Committee (IACUC) Office would like to welcome the following individuals to their new roles: Dr. John Wilkinson will be serving as the new IACUC Chairperson and Dr. Sarah Wagner will be serving as the back-up attending veterinarian. A special thank you to Dr. Kendall Swanson for his service as the interim IACUC Chairperson over the past year.

Online Course: NSF Innovative Technology Experiences for Students and Teachers (ITEST) Proposal Development
The ITEST Proposal Development Course, hosted and facilitated by the STEM Learning and Research (STELAR) Center, is a self-paced online course in which NSF proposal writers will develop a full NSF proposal for the ITEST program, to be submitted for the August 8, 2018 solicitation deadline.

The course covers the critical components of developing a successful NSF ITEST proposal including: forming partnerships, writing a compelling narrative, developing research and evaluation designs that are well-aligned and impactful, planning for fruitful dissemination, preparing a budget, and finally, submitting the proposal to NSF.

To learn more about the course and register to participate, view the STELAR ITEST proposal development course announcement online.

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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