

Sent: Monday, September 12, 2016 2:46 PM
To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - 9/12/2016 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](#).

EVENTS

- [Webinar Opportunity: National Aeronautics and Space Administration – September 14, 2016](#)
- [Webinar Opportunity: National Endowment for the Arts – September 15, 2016](#)
- [Fall 2016 IRB Training Opportunities](#)
- [Forums on Research and Scholarly Activity](#)
- [Webinar Opportunity: The Foundation Center – September 22, 2016](#)
- [NDSU EXPLORE Undergraduate Research Showcase – November 1, 2016](#)

FUNDING OPPORTUNITIES

- [NDDOC Venture Grant Program Deadlines](#)
- [Notifications due for Upcoming Limited Submission Programs](#)

NOTICES

- [NSF System Shutdown - September 17-18, 2016](#)
- [Access PIVOT With Your NDSU Network Login](#)
- [Novelty – a Requirement for Patentability](#)
- [Recharge Center NMR is Fully Operational](#)
- [Streamlining the Proposal Process](#)
- [Tips for Developing Proposal Budgets](#)
- [What to do When Your Proposal is Selected for Funding](#)

Webinar Opportunity: National Aeronautics and Space Administration

Agency: [National Aeronautics and Space Administration \(NASA\)](#)

Programs: *Research Opportunities in Space and Earth Sciences (ROSES)*

Speaker: Max Bernstein

Description: NASA supports basic and applied research in a variety of fields, including earth science, heliophysics, planetary science, and astrophysics. This research platform includes opportunities for faculty from multiple academic disciplines.

September 14, 2016 | 2:00-3:30pm | NDSU Quentin Burdick Building, Room 422

The Research and Creative Activity Office is facilitating access to this webinar. The event is hosted by the [Grant Resource Center](#). Please consider attending if this program is of interest to you.



Webinar Opportunity: National Endowment for the Arts

Agency: [National Endowment for the Arts \(NEA\)](#)

Programs: *Art Works and Our Town*

Speaker: Jennifer Hughes

Description: Colleges and universities are increasingly recognizing the potential of becoming involved in creative placemaking projects where public, private, not-for-profit, and community stakeholders partner to strategically shape the physical and social character of a community around arts and cultural activities.

September 15, 2016 | 2:00-3:30pm | NDSU Quentin Burdick Building, Room 422

The Research and Creative Activity Office is facilitating access to this webinar. The event is hosted by the [Grant Resource Center](#). Please consider attending if this program is of interest to you.



Fall 2016 IRB Training Opportunities

Two on-campus IRB training opportunities have been scheduled for the Fall 2016 semester.

- A general session in the protection of human subjects will be offered September 14th from 3:00 to 4:00 in the Memorial Union, Peace Garden Room.
- A refresher webinar titled “Preserving a Role for Tribal Review of Research in the Context of Single IRB Policies” will be held Tuesday, September 20th from noon to 1:30.

To register, please click [here](#).



Forums on Research and Creative Activity

Please join Vice President for Research and Creative Activity, Dr. Kelly Rusch, throughout the semester for a conversation on research and scholarly activities. While there is no agenda for the forums, Dr. Rusch would like to engage in dialogue and hear your thoughts on growing the research, creative activity and scholarly enterprise on campus as we work to meet the Strategic Plan. These forums are scheduled for the following times:

- September 15, 2016 | 1:00pm-2:00pm | Memorial Union Meadow Lark Room
- October 13, 2016 | 1:00pm-2:00pm | Memorial Union Rose Room
- November 17, 2016 | 1:00pm-2:00pm | Memorial Union Badlands Room
- December 8, 2016 | 1:00pm-2:00pm | Memorial Union Badlands Room



Webinar Opportunity: The Foundation Center

Agency: [The Foundation Center](#)

Programs: *Working with Corporate Foundations*

Speaker: Kim Patton, Director of Foundation Center Northeast

Description: Working with corporate foundations presents unique challenges and opportunities for campuses seeking to support initiatives and programming. Hear from an expert about cultivating these important relationships and the opportunities they present.

September 22, 2016 | 2:00-3:30pm | NDSU Quentin Burdick Building, Room 422

The Research and Creative Activity Office is facilitating access to this webinar. The event is hosted by the [Grant Resource Center](#). Please consider attending if this program is of interest to you.



Encourage your Students to Register for NDSU EXPLORE – November 1, 2016

The 2016 NDSU EXPLORE Undergraduate Research Showcase will take place November 1, 2016 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](#)



NDDOC Venture Grant Program Deadlines

The next submission deadline for a Venture Grant proposal is November 18, 2016. Please contact the Technology Transfer Office (1-6681) before October 1, if you are planning to submit a proposal and would like our assistance. The Phase I Venture Grant's purpose is to determine if a technology/invention would be potentially feasible for a North Dakota start-up or spin-off business. Phase II is to further develop the technology/invention with an objective that it will result in a license to a start-up or spin-off a business. Information about the Venture Grant Phase 1 or Phase 2 can be found at the North Dakota Department of Commerce's webpage [here](#). The Venture Grant application can be found [here](#). The next submission deadlines are February 17, 2017 and May 19, 2017.



Notifications Due for Upcoming Limited Submission Programs

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 programs:

- **NSF Research Traineeship Program (NRT)** – notification due **9/16/2016** – For more information on the program, read the program guidelines ([NSF 16-503](#)) online.
- **NSF I-Corps Sites** – notification due **11/2/2016** – For more information on the program, read the program guidelines ([NSF 16-547](#)) online.



NSF System Shutdown – September 17-18, 2016

NSF will be making repairs to the Foundation's electrical systems on September 17-18, 2016. *All NSF systems, including the NSF website, Research.gov and FastLane, will be unavailable from 5:00 PM on Saturday, September 17, until 4:00 PM on Sunday, September 18.*

As a result of NSF system shutdowns, the following deadline dates which fall on September 19th have been extended to 5 p.m. submitter's local time on September 20th:

- **NSF 16-586: NSF/Intel Partnership on Information-Centric Networking in Wireless Edge Networks (ICN-WEN)** - Letter of Intent Deadline
- **NSF 16-562: Prediction of and Resilience against Extreme Events (PREEVENTS)** - Full Proposal Deadline
- **NSF 16-532: Software Infrastructure for Sustained Innovation (SI2-SSE&SSI) Crosscutting** - Full Proposal Deadline

These solicitations have been modified to reflect the new deadline date. Proposers should ensure that they select September 20th as the Deadline/Target date on the Remainder of Coversheet for the proposal.



Now You Can Use Your NDSU Network Login to Access Your Pivot Account

After a brief signup process, you can now use your NDSU network login to sign in to your Pivot account, rather than trying to remember separate login information for access to Pivot. Known as Shibboleth authentication, this requires a short, simple process to connect your institutional credentials to your Pivot account. **Pivot, by ProQuest**, is an international database to which NDSU subscribes that provides customized grant searches and maintenance of faculty and researcher expertise profiles.

This process assumes you already have a Pivot account. Once this initial set-up has been done, the login process to access your Pivot account will require *only your NDSU network login*. To set this up:

1. Go to the Pivot website at <http://pivot.cos.com>.
2. When you click on 'Log in' at the upper right corner, *do not enter your usual Login information* – instead, choose the link for 'Access via My Institution Login'.
3. It will prompt you to choose your institution – make sure NDSU shows in the box and click on Login. Enter your NDSU network login information and click on Login. In the next window, enter your name and email address. Then click on 'Get Started'.
4. A message will appear in pink (looks like an error message) – click where it says 'link your provider credentials with your Pivot account'.
5. If prompted to, go to your email to find the Pivot email just generated, open it, and click on the link provided.
6. The set-up process is complete, and your next Pivot login will be much simpler!

If you have questions or problems with the set-up process, contact kay.sizer@ndsu.edu for assistance.

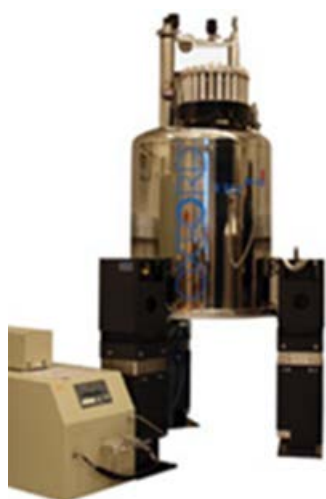


Novelty – a Requirement for Patentability

For an invention to NOT be novel, the patent office has to show that there is a SINGLE piece of prior art that contains each and every element of the new invention. A prior art can be a publication, presentation, poster, publicly displayed prototype, or a publicly available grant application (NIH, NSF, and North Dakota Venture Grants are all public at some point). Each and every element of an invention is defined as: each step, if the invention is a process; each component, if the invention is a tangible device; or each chemical substituent on a chemical formula, if the invention is a chemical structure. The elements have to all be in ONE prior art; there cannot be a few elements in one and a few in another. An inventor's own prior art can also be held against his/her own invention at some point. If you have questions about patentability, contact the Technology Transfer Office: Henry Nowak (1-8173 or henry.nowak@ndsu.edu) or Dale Zetocha (1-8931 or dale.zetocha@ndsu.edu).



Recharge Center NMR is Fully Operational



The JEOL ECA Series Nuclear Magnetic Resonance (NMR) Spectrometer is now fully operational and available for use. The low frequency function was repaired this summer to restore its full capability. This instrument is a high performance, research grade, 5mm standard probe system capable of probing nuclei (N15-P31) with resonance frequencies between 40MHz and 162MHz at a field strength of 9.4 Tesla. Commonly probed nuclei include Hydrogen, Carbon, Fluorine and Silicon. The ECA NMR also has solid state capabilities. NMR spectroscopy is an excellent nondestructive analytical tool used for chemical structure elucidation and functional group analysis of liquids and solids. NMR can also be used to study bonding connectivity and orientation through space connectivity (Overhauser Effect), as well as the determination of polymer structure. DNA, peptide and enzyme sequence and structure determination are also possible. Tools such as this and many others managed by the Research Operations Recharge Center are available to NDSU researchers for use on their projects. For more information on how these tools can help with your research, contact Aaron Reinholz (1-5338 aaron.reinholz@ndsu.edu) or visit the Research Operations website at www.ndsu.edu/research/research_operations/.



Streamlining the Proposal Process

Proposals submitted to external entities (sponsors) for financial support of research or other activities, are required to be routed for appropriate institutional review and approval prior to submission to the sponsor. Proposals should be routed with the Proposal Transmittal Form (PTF), which can be found on the Sponsored Program Administration website under forms: https://www.ndsu.edu/research/sponsored_programs_admin/forms/. The PTF should be thoroughly completed and routed with a copy of the proposal, or at a minimum an abstract, a budget and a budget justification. Proposals are reviewed in the order that they are received, so to assure a timely review proposals must be received in SPA 3-5 business days prior to the submission deadline.



Tips for Developing Proposal Budgets

1. Include salary for the Principal Investigator (PI) as well as other NDSU personnel who will be contributing work to the project. Amounts should be based on current or anticipated actual salaries.
2. Always include the appropriate fringe benefit amount for all salaries requested. Fully benefitted positions will have fringe benefits ranging from 30% to 84%, depending on the level of salary. Ranges are provided on Sponsored Programs Administration (SPA) website, or you can estimate the cost using a tool on the SPA website: https://www.ndsu.edu/research/sponsored_programs_admin/institutional_information/.
3. Non-NDSU personnel should be identified as either "Consultants" or "Subawards", depending on their involvement in the project.
4. NDSU personnel cannot be "Consultants" on NDSU proposals.
5. Facilities and Administrative costs (F&A), must be included on every budget, unless the sponsor has a published guideline/limitation.
6. SPA has budgeting tools/templates for a single year or up to 5 years available at: https://www.ndsu.edu/research/sponsored_programs_admin/forms/.



What to do When Your Proposal is Selected for Funding

When you are notified that your proposal has been successful and will receive funding, please notify the Sponsored Programs Administration (SPA) office at ndsu.research@ndsu.edu, or in the event of funding by private industry please notify the Business Development unit at ndsu.businessdev@ndsu.edu. These units are the central administration units that will review and negotiate the award, and provide the authorized institutional signature on

award documents. Award documents that are signed by individuals that do not have signature authority for NDSU are not legally binding.



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.

