September 9, 2019

Novelution Software to be launched at NDSU

What is Novelution?
Novelution is an electronic research management system that intelligently integrates research/project documentation into a single core system. This system will reduce the paperwork burden for faculty and staff by eliminating the need for personnel to hand-deliver proposal documents to Sponsored Programs Administration (SPA) in the Research and Creative Activity office. Novelution will enable the electronic routing of proposal and protocol documents for internal NDSU approval. If an award is received, grant documents will be added to the file. Additionally, certain award and administrative actions such as budget revisions and no-cost extensions will be available for request through the system. Future modules will be added that will include functions for IRB, IACUC, IBC, COI and effort reporting.

When will it be implemented?
The first module to be implemented is the sponsored research module, which will be implemented in a phased approach during 2019 and 2020:

- For the next few months, all proposals will continue to be routed under the current paper-based process. For the initial testing phase of the system, SPA will begin entering basic proposal data elements into the Sponsored Research module starting in October 2019.
- **November 14, 2019** - Novelution personnel will be on-site to provide more advanced training for SPA staff on the Sponsored Research module. This training will include a session for faculty and staff who are interested in testing the software.
- **December 2019** - additional training for faculty and staff will be offered in advance of the campus-wide launch.
- **January 2020** - proposal input and routing capabilities will be launched campus-wide. At this time PIs will have the option of using the new system or continuing to utilize the paper proposal process. Additional campus-wide Novelution training will also be offered.

How does this impact my use of Peoplesoft?
While Novelution will interface with PeopleSoft, the software will not replace any PeopleSoft functionality.

Watch for additional information and invitations to participate in the training from Jill Mackenzie, Award and Program Officer and Novelution Project Manager.

NSF Program Director Visit

Dr. Wilson A. Francisco, program director in the Division of Molecular and Cellular Biosciences (MCB) at the National Science Foundation (NSF), will be at NDSU on Friday, September 13, 2019. He will give a

presentation to provide information about NSF, the MCB Division, and proposal preparation. We invite you to attend this session to learn more about NSF and learn some tips for successful proposals. Details are as follows:

NSF MCB Program Director Dr. Francisco
Friday, September 13, 2019
8:30am-9:30am
Memorial Union Rose Room

Proposal Writing 101:
Lessons from the NSF Trenches

Thinking about writing a grant proposal to the National Science Foundation (NSF)? This article provides 25 tips on writing successful NSF grant applications from a science assistant in the Division of Earth Sciences at NSF who has worked with 24 program directors. These tips reference an older version of the NSF PAPPG; the newest version is available here.

New This Fall: Proposal Development Program

The purpose of the Proposal Development Program is to provide a professional development opportunity for NDSU faculty new to proposal writing or those seeking a refresher to hone proposal writing skills and knowledge in funding agency opportunities.

The Proposal Development Program will cover topics ranging from finding funding opportunities to developing ideas and a well-aligned and structured proposal. Budgeting, evaluation planning, and peer review sessions will also be part of the programming.

An experienced grant consultant, faculty, and research support staff will lead the sessions. Register soon to reserve your spot!

Learn more and Register >>

NSF Fundamentals Workshop Webinar

Sponsored Programs is sponsoring this NSF Fundamentals workshop webinar, which is part of the National Council of University Research Administrators (NCURA) education program. The NSF Fundamentals workshop provides a primary basis of understanding of proposals to and awards from the National Science Foundation (NSF).The program is perfect for someone new to research administration, as well as for research administrators seeking to expand their knowledge of federal funding agencies. The curriculum provides an overview of the policies and procedures essential to preparing successful proposals to and managing grant awards from NSF.

Date: September 18, 2019

Time: 1:30PM – 5:00PM
Location: Research 1, Room 148/154

If you have any questions about these webinars, please contact the Sponsored Programs Office at ndsu.research@ndsu.edu or call 701-231-8045.

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Looking for Collaborators? Visit the **NDSU Scholars Database**

In Search of Equipment? Check the **NDSU Equipment Database**

pivot™
funding connected

Need to update your profile? Click here to learn how!

DARPA Young Faculty Award

The Defense Advanced Research Projects Agency (DARPA) Young Faculty Award (YFA) program aims to identify and engage rising stars in junior faculty positions in academia and equivalent positions at non-profit research institutions and expose them to Department of Defense (DoD) and National Security challenges and needs. In particular, this YFA will provide high-impact funding to elite researchers early in their careers to develop innovative new research directions in the context of enabling transformative DoD capabilities. The long-term goal of the program is to develop the next generation of scientists and engineers in the research community who will focus a significant portion of their future careers on DoD and National Security issues. DARPA is particularly interested in identifying outstanding researchers who have previously not been performers on DARPA programs, but the program is open to all qualified applicants with innovative research ideas. Participation in the YFA program is limited to any current tenure-track Assistant or Associate Professor and tenured Assistant or Associate Professors within three (3) years

of their tenure appointment at a U.S. institution of higher education or equivalent at a U.S. non-profit science and technology research institution.

Before preparing an executive summary or proposal submission, proposers are encouraged to review the DARPA mission statement and current program descriptions at the DARPA website to familiarize themselves with examples of current DARPA investments.

Executive Summaries Due: September 18, 2019, 3:00PM CST

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Great Plains IDeA-CTR Pilot Project Program

The Great Plains IDeA-CTR Network is pleased to announce an opportunity for pilot funding through an NIH/NIGMS grant. Successful applicants will receive up to $50,000 in direct costs for a one-year project, as well as access to resources of the Great Plains IDeA-CTR to support their research efforts.

A 2-page Letter of Intent (LOI) is requested using the template provided in the RFA, which can be downloaded from the Great Plains IDeA-CTR website. The LOI application process is outlined on page 3. Those invited to submit full proposals will be notified by September 27, 2019. Solicited applications will be due November 15, 2019. The requirements for invitees are also detailed in the RFA.

Please email your LOI and NIH biosketch as a single PDF document to the Great Plains IDeA-CTR Office at gpctr@unmc.edu. If you have any questions contact Heather Braddock or call 402.559.9870.

Letter of Intent deadline: September 13, 2019

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National Archives: Access to Historical Records - Preliminary Proposals

The National Archives 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;
- Create new freely-available virtual collections drawn from historical records held by multiple institutions;
- Provide access to born-digital records;
- 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. We also encourage organizations to actively engage the public in the work of the project.

Preliminary Proposal Deadline: January 16, 2020

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NDSU Campus of ND EPSCoR Request for Proposals (RFP)

The NDSU campus of ND EPSCoR is requesting proposals for activities in the following categories to help support the efforts of faculty and students engaged in STEM research and education:

1. Equipment
2. Equipment repair
3. Student travel to present at national conferences
4. Faculty seed awards
5. Faculty/student awards to support K12 outreach activities
6. Awards to fund external peer review of large collaborative/interdisciplinary proposals prior to submission to a federal agency, and
7. Undergraduate research.

View the full RFP >>
Proposal Deadline: September 14, 2019

This RFP is separate from the *state-wide ND EPSCoR RFP*, and is specific only to NDSU.

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ND EPSCoR Request for Proposals (RFP)

The ND EPSCoR State Office has a mission to support the efforts of *EPSCoR participating institutions* across the State that result in increased STEM faculty capacity and competitiveness and a stronger STEM pipeline that produces our next generation workforce, educators, and researchers.

To help support the efforts of faculty and students engaged in STEM research and education, the ND EPSCoR State Office is requesting proposals for activities in the following categories:

1. equipment,
2. student travel to present at national conferences,

3. faculty seed awards,
4. faculty/student awards to support K12 outreach activities,
5. awards to fund external peer review of large collaborative /interdisciplinary proposals prior to submission to a federal agency, and
6. undergraduate research.

The link to the RFP and necessary forms can be found at: https://www.ndepscor.ndus.edu/funding-opportunities/resind/ndus-stem-rfp-2019/

For full consideration, proposals must be submitted by September 20, 2019.

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NIH: Centers of Biomedical Research Excellence (P20) - 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.

NIH COBRE: Notify RCA **by 9/30/2019, 5:00 p.m. if you intend to apply.**

The National Institutes of Health Centers of Biomedical Research Excellence (COBRE) [PAR-19-313] are thematic, multidisciplinary centers that augment and strengthen institutional biomedical research capacity. This is accomplished by expanding and developing biomedical faculty research capability and enhancing research infrastructure, including the establishment of core facilities needed to carry out the objectives of a multidisciplinary, collaborative program. Only institutions in IDeA (EPSCoR) states are eligible to apply. An application in response to this funding opportunity announcement (FOA) must have a thematic scientific focus in a specific area in basic, clinical, or translational research including community engagement and outreach research as

appropriate. **Applications addressing health challenges of rural populations in IDeA states are encouraged**.

The PD(s)/PI(s) must be an established biomedical or behavioral research scientist, who leads, as the principal investigator, at least one peer-reviewed research grant from NIH, NSF or other Federal or non-Federal sources that is closely related to the scientific theme of the proposed Center and has mentoring and administrative experience to lead the COBRE program to meet its goals.

View a list of currently active COBRE centers >>

NDSU has had three previously funded COBRE centers, one each in the Departments of Chemistry, Psychology, and Pharmaceutical Sciences.

Letter of Intent due: December 28, 2019 (30 days prior to deadline);
Final application deadline: January 28, 2020.

NSF: Analysis

The National Science Foundation (NSF) Analysis Program supports basic research in that area of mathematics whose roots can be traced to the calculus of Newton and Leibniz. Given its centuries-old ties to physics, analysis has influenced developments from Newton's mechanics to quantum mechanics and from Fourier's study of heat conduction to Maxwell's equations of electromagnetism to Witten's theory of supersymmetry. More generally, research supported by Analysis provides the theoretical underpinning for the majority of applications of the mathematical sciences to other scientific disciplines.

Current areas of significant activity include: nonlinear partial differential equations; dynamical systems and ergodic theory; real, complex and harmonic analysis; operator theory and algebras of operators on Hilbert space;

mathematical physics; and representation theory of Lie groups/algebras.

Emerging areas include random matrix theory and its ties to classical analysis, number theory, quantum mechanics, and coding theory; and development of noncommutative geometry with its applications to modeling physical phenomena.

The underlying role of the Analysis Program is to provide support for research in mathematics at the most fundamental level. Although this is often done with the expectation that the research will generate a payoff in applications at some point down the road, the principal mission of the Program is to tend and replenish an important reservoir of mathematical knowledge, maintaining it as a dependable resource to be drawn upon by engineers, life and physical scientists, and other mathematical scientists, as need arises.

Application Deadline: October 1, 2019

VentureWell Faculty Grants - Limited Submission

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.

VentureWell: Notify RCA **by 9/19/2019, 5:00 p.m. if you intend to apply.**

VentureWell Faculty Grants provide up to $30,000 to help fund and support faculty with innovative ideas to create new or transform existing courses and programs to help students develop novel, STEM-based inventions and gain the necessary entrepreneurial skills needed to bring these ideas to market. Proposals are sought for areas that will support the emerging generation of inventors and innovators and the ecosystems critical to their success.

Successful grant proposals include:

- A focus on technology entrepreneurship;
- Experiential learning by doing, and creative approaches to solving real world problems;
- The formation of student teams focused on technology inventions with positive social and/or environmental impact;
- A supportive entrepreneurial ecosystem for student teams to pursue commercialization;
- A plan for continuation of the course or program after VentureWell funding.

NDSU is limited to two submissions. Notifications of interest should be submitted by September 19, 2019, to ndsu.researchdev@ndsu.edu. If more than two notifications are received, a preproposal process will be implemented.

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Open House: Center for Protease Research Core Facilities

The Core Facilities provided by the Center for Protease Research are holding an open house on Thursday, September 12, from 1-3pm. You will be able to tour the facilities and learn how they can assist your research program.

- **Core Synthesis & Analytical Services Facility**
  Dunbar 158
- **Core Mass Spectrometry Facility**
  Dunbar 160
- **Core Biology and Tissue Culture Facilities**
  QBB 316/354

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NDSU Rodent Training Series

The NDSU Rodent training series is a 4 course training series which covers basic mouse handling and techniques. The series is designed to provide foundational training and experience for faculty, staff, and students. Participation in all sessions is encouraged. Space is limited so register early.

Fall Course Schedule:

- **Mouse Handling and Husbandry Basics**
  Wednesday, September 18 | 3-4:30 PM | Van Es 107
  Register for this session >>
- **Anesthesia, Euthanasia, Necropsy**
  Wednesday, October 9 | 8-9:30 AM | Sudro 207
  Register for this session >>
- **Breeding, Genotyping, Injections**
  Wednesday, October 30 | 3-4:30 PM | Van Es 107
  Register for this session >>
- **Venipuncture**
  Wednesday, November 20 | 3-4:30 PM | Van Es 107
  Register for this session >>

The Rodent Training Series is sponsored by the Vice President for Research and Creative Activity. If you have questions about these sessions, please contact the IACUC Administrator, Josie Hayden, at 701.231.8114 or josie.hayden@ndsu.edu.

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CCAST Advanced Research Computing Training

The NDSU Center for Computationally Assisted Science and Technology (CCAST) is conducting a series of training sessions to introduce advanced research computing to NDSU faculty, staff, and students. This training series also aims to provide researchers with the basic knowledge to make the best

use of local and national high-performance computing (HPC) resources and ultimately to advance their research capabilities.

The training events, offered **every other Thursday** in Quentin Burdick Building (Room 132), will include lectures, demonstrations, and hands-on sessions where participants have opportunities to run simple and not-so-simple programs on CCAST's HPC systems. *There are no prerequisites, although some familiarity with computer programming would be helpful.* For each session, participants can attend the morning (9:00–11:00 am) *or* afternoon (2:00–4:00 pm) class.

Fall Course Schedule:

- Sept. 12: Introduction to HPC, HPC resources at NDSU (and elsewhere)
- Sept. 26: Linux for HPC: Working with a Linux system, command-line basics
- Oct. 10: How to get your work done faster? Ensemble computing, OpenMP, and MPI
- Oct. 24: How to get your work done faster? Parallel scaling performance
- Nov. 7:   Linux for HPC: Text processing and shell scripting
- Nov. 21: Compiling and installing software on HPC clusters
- Dec. 5:   HPC for precision agriculture (**am** class only) and bioinformatics (**pm** only)

The training is FREE and open to the entire NDSU community; however, space is limited to 24 seats per class and *pre-registration is required*. ***Please register by Tuesday, September 10,*** by sending an e-mail to CCAST at ndsu.ccast.training@ndsu.edu with the following information: first and last names, e-mail address, department, current status (faculty, staff, postdoc, grad, or undergrad), and the sessions you would like to attend (dates of the sessions; for each session, please select either the morning class or the afternoon class).

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Have questions, ideas, or suggestions for the RCA Update?

Contact Us