Susan Ray-Degges is a professor and interior design program coordinator at NDSU. She began teaching at NDSU after receiving her master’s degree in housing and interior design and her doctorate degree in human environmental sciences from the University of Missouri. Her tenure at NDSU spans nearly three decades and she is considered a mentor for both students and faculty, including designers outside of NDSU. Susan was recently honored as a fellow of the American Society of Interior Designers, a group that she’s been a member of since 1987. Considered the society’s highest honor, less than 1 percent of the society’s membership are named as fellows.

A certified interior designer, Susan believes in fully preparing students for
the workforce. While her coursework aims for a high level of proficiency in the skills required to be a successful interior designer, Susan also stresses the need for real world experience and a capstone research project. “I tell my students that they’re not decorators, but designers and that the research they put into their work matters. Having the skills to support the decisions they make will be critical to being both technically proficient and successful in getting work and earning repeat business,” she said.

All interior design students must complete an evidence-based research project in their final year. While research of this level is not required by accreditation, Susan notes how important it is in creating designers who are truly ready for the workforce. Conforming to all traditional elements of research, these projects include data collection surveys, information reviews, user groups and working with the IRB team to ensure all research meets human subject compliance standards. “Basically, we’re offering a master’s level of educational experience for our undergrads,” Susan points out.

Susan’s research focuses on the effects of interior design on the elderly. She has worked on a project for use by North Dakota Extension that has the goal of helping people stay in their homes as long as possible. She is also working in collaboration with gerontology extension specialists in North and South Dakota on a housing study examining older adult knowledge and preferences for aging in place.

Read more about Susan Ray-Degges, the September 2019 Researcher of the Month >>
Research Development Travel Awards

RCA has allocated funding to help defray travel expenses for faculty presenting at national conferences or for supporting travel to visit archives or special collections. International opportunities may be accommodated if required for discipline-specific research. As this pool of funding is limited, please consider allowing individuals who do not have other sources of travel funding to apply for this opportunity. Application instructions are posted on the RCA website.

Congratulations to all award recipients from July 2019!

View the complete list online: PDF | Excel

The awards listed are externally funded projects. Each month one of the RCA Updates will include prior month awards.

See Award Reports from previous months >>

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 >>

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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).

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

Mark your calendar for other upcoming webinars:

- NIH Fundamentals Workshop  
  October 16, 2019 | 1:30PM – 5:00PM | Research 1, Room 148/154  
- Financial Research Compliance Workshop  
  November 20, 2019 | 1:30PM – 5:00PM | 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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• NSF: Research in the Formation of Engineers
• NSF: Research Traineeship Program
• USDA APHIS Veterinary Services: National Animal Disease Preparedness and Response Program

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!

Upcoming Limited Submission Program Deadlines
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 Major Research Instrumentation (MRI)  
  *Notification Deadline: September 5, 2019*
- NSF Research Traineeship (NRT)  
  *Notification Deadline: September 9, 2019*
- NIH Collaborative Program for Multidisciplinary Teams (RM1)  
  *Notification Deadline: September 9, 2019*
- NIH Centers of Biomedical Research Excellence (COBRE)  
  *Notification Deadline: September 30, 2019*

**American College of Laboratory Animal Medicine**

The mission of the American College of Laboratory Animal Medicine (ACLAM) Foundation is to expand the body of knowledge in the fields of laboratory Animal Science and Medicine through funding research grants. The ACLAM Foundation has developed a two-tiered system for competitive review of grant proposals. Submission of a letter of intent is followed by a request for a full grant proposal to selected applicants. The Foundation will fund studies in the following five laboratory animal research subjects:

- Analgesia/anesthesia
- Behavior/well-being
- Diagnostics/diseases
- Husbandry
Refinement of animal models [Note: Emphasis is on Russell & Birch 3R’s – reduction, refinement, replacement - not on new research model development.]

Letter Of Intent Deadline: November 28, 2019

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

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.

NDSU Institute for Regional Studies: Gunlogson Endowment

The Institute for Regional Studies solicits your proposals for funds of up to $5,000 from the Gunlogson Endowment to support research and creative activity on topics related to the fund’s purpose. Between 0-3 awards will be made each year. The purpose of these awards, which are jointly awarded by NDSU Libraries and the College of Arts, Humanities and Social Sciences, includes:

- supporting the publications and archives of the Institute for Regional Studies.
- advancing general university outreach through institute related activities.
- enhancing NDSU’s land-grant mission though Institute projects that preserve the cultural history of North Dakota.

Projects that meet any of the funds’ purposes will be considered, but preference will be given to those projects that propose to use the archives of the Institute for Regional Studies, and/or, secondarily, that propose to publish through the North Dakota State University Press.
Those eligible to apply for funding include tenured and tenure track faculty, professors of practice, and graduate students working on disquisitions directly related to the purpose of the fund. (Applicants may be from on or off NDSU campus).

Details for proposal preparation may be requested from suzzanne.kelley@ndsu.edu.

Proposal deadline: September 6, 2019

NIH Collaborative Program Grant for Multidisciplinary Teams (RM1) – 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 RM1: Notify RCA by 9/9/2019, 5:00 p.m. if you intend to apply.

This National Institutes of Health (NIH) funding opportunity announcement (FOA / PAR-17-340) is designed to support highly integrated research teams of three to six PD/PIs to address ambitious and challenging research questions that are important for the mission of the National Institute of General Medical Sciences (NIGMS) and are beyond the scope of one or two investigators. Collaborative program teams are expected to accomplish goals that require considerable synergy and managed team interactions. Project goals should not be achievable with a collection of individual efforts or projects. Teams are encouraged to consider far-reaching objectives that will produce major advances in their fields. Applications that are mainly focused on the creation, expansion, and/or maintenance of community resources, creation of new technologies or infrastructure development are not appropriate for this FOA.
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 Major Research Instrumentation (MRI) – 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.

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

The National Science Foundation Major Research Instrumentation (MRI) Program [NSF 18-513](http://www.nsf.gov) serves to increase access to multi-user scientific and engineering instrumentation for research and research training in our Nation's institutions of higher education and not-for-profit scientific/engineering research organizations. An MRI award supports the acquisition or development of a multi-user research instrument that is, in general, too costly and/or not appropriate for support through other NSF programs. **Cost sharing of precisely 30% of the total project cost is required.**

An MRI proposal may request support for either the acquisition or development of a research instrument.

- **Track 1:** Track 1 MRI proposals are those that request funds from NSF greater than or equal to $100,000 and less than $1,000,000. Two proposal submissions are allowed per organization.
• Track 2: Track 2 MRI proposals are those that request funds from NSF greater than or equal to $1,000,000 up to and including $4,000,000. One proposal submission is allowed per organization.

**LIMITED SUBMISSION:** The MRI program requires that an MRI-eligible organization may, as a performing organization, submit or be included as a significantly funded subawardee in *no more than three MRI proposals*. Each performing organization is limited to a maximum of three proposals in the “Tracks” as defined above, with no more than two submissions in Track 1 and no more than one submission in Track 2.

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**NSF: Research in the Formation of Engineers**

The National Science Foundation (NSF) Engineering (ENG) Directorate has launched a multi-year initiative, the *Professional Formation of Engineers* (PFE), to create and support an innovative and inclusive engineering profession for the 21st century. PFE refers to the formal and informal processes and value systems by which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession in order to improve quality of life for all people. The engineering profession must be responsive to national priorities, grand challenges, and dynamic workforce needs; it must be equally open and accessible to all. PFE includes, but is not limited, to:

• Introductions to the profession at any age;
• Development of deep technical and professional skills, knowledge, and abilities in both formal and informal settings/domains;
• Development of outlooks, perspectives, ways of thinking, knowing, and doing;
• Development of identity as an engineer and its intersection with other identities; and
• Acculturation to the profession, its standards, and norms.
PFE welcomes proposals in two categories: Research Projects, and Design and Development Projects. Research Projects address fundamental questions of professional formation, while Design and Development Projects provide new approaches to achieving professional formation.

*Full Proposal Accepted Anytime*

**NSF Research Traineeship Program (NRT) – 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.

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

The National Science Foundation (NSF) Research Traineeship (NRT) program [NSF 19-522] 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 explore ways for graduate students in research-based masters and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The program is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs. The NRT program addresses workforce development, emphasizing broad participation, and institutional capacity building needs in graduate education. Strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, informal science centers, and academic partners are encouraged.
The NRT Program has announced the program’s priority areas for FY2019 and FY2020. For FY2019 and FY2020, the NRT Program requests proposals in any interdisciplinary research theme of national priority, with special emphasis on the six NSF Research Big Ideas. The NSF Research Big Ideas are Harnessing the Data Revolution (HDR), The Future of Work at the Human-Technology Frontier (HTF), Navigating the New Arctic (NNA), Windows on the Universe: The Era of Multi-Messenger Astrophysics (WOU), The Quantum Leap: Leading the Next Quantum Revolution (QL), and Understanding the Rules of Life: Predicting Phenotype (ROL).

LIMITED SUBMISSION: An eligible organization may participate in two proposals per competition. Participation includes serving as a lead organization, non-lead organization, or subawardee on any proposal. Organizations participating solely as evaluators on projects are excluded from this limitation.

USDA APHIS Veterinary Services: National Animal Disease Preparedness and Response Program 2019 Training and Exercise Cooperative/Interagency Agreements

This USDA APHIS Veterinary Services (VS) funding opportunity is provided to carry out the National Animal Disease Preparedness and Response Program (NADPRP) as described in Section 12101 of Agriculture Improvement Act of 2018 (aka “2018 Farm Bill”). Congress authorized USDA to create this new program to address the increasing risk of the introduction and spread within the United States of animal pests and diseases affecting the economic interests of the livestock and related industries of the United States. This 2019 announcement is the first phase of implementation of the NADPRP program. During this first phase, VS will make available up to $10,000,000 in funds to be divided between the NADPRP and the National Animal Health Laboratory.
Network (NAHLN). NADPRP will support multiple projects to prepare agriculture sector personnel to serve as animal health emergency responders through targeted training and exercises. The overall objective of the funding opportunity is to increase capabilities, capacity, and readiness of the nation’s animal agriculture sector to quickly and effectively respond to animal pests and disease outbreaks affecting the economic interests of the livestock and related industries of the United States. Through this funding opportunity, VS is soliciting collaborators who will develop, deliver, conduct and/or provide access to emergency management training and exercises for animal agriculture sector responders required for an effective response.

Application Deadline: October 25, 2019

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

Contact Us
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.

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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