IACUC Rodent Training Session

The IACUC team recently conducted a rodent training session involving mouse handling and husbandry basics. The participants learned information about mouse handling, restraint, and other various procedures as well as welfare and documentation requirements. The training was open to faculty, staff, and students.

Upcoming Rodent Training Sessions with Dr. Jodie Haring, Scott Hoselton, and Tom Gustad have been scheduled:

- February 28th 3:00-4:30 pm
Blood Collection and Injection Training
- March 21st 3:00-4:30 pm
  - Anesthesia, Euthanasia and Necropsy
- April 25th 3:00-4:00 pm
  - Breeding and Genotyping

Event Registration will be open soon.

To learn more about IACUC, visit the NDSU IACUC website>>

Nobel-winning Animal Research Leads to Huge Breakthroughs in Science and Medicine
Of the 216 award recipients in the Physiology or Medicine category, 180 used animal models in their research. For example, a German scientist won the first prize in 1901 for developing the diphtheria vaccine through research with horses. Afterwards, each year Nobel Prizes were awarded for major discoveries, most of the time for research involving animals. This year’s winners won for their work with mice. Their research has revolutionized cancer immunotherapy and is changing the way researchers develop life-saving cancer drugs.

Animal Care and Use Update
The Institutional Animal Care and Use Committee (IACUC) has updated the following Guiding Principles: Humane Endpoints-Criteria for Premature Euthanasia, Pharmaceutical Management, Adverse Event and Protocol Deviation, and Animal Welfare Concern Procedures. If you are an individual that utilizes animals at NDSU, please take time to review these documents. If
you have any questions regarding the NDSU IACUC Guiding Principles, please contact the IACUC Office at 231-8114.

EXPORT CONTROLS FAQs

Q: What are Export Controls?

A: Export Controls are U.S. laws, statutes that regulate the exportation (distribution and sharing) to foreign nationals and foreign countries of strategically important technology, services and information for reasons of foreign policy, national security, trade agreements and to preserve U.S. economic competitiveness even if they are located within the United States. Export control laws apply to all activities, not just sponsored research projects.

Have more questions? Contact the export control administrator [ndsu.exportcontrols@ndsu.edu / 231-6455] or visit the NDSU export control website.
MARCH 1: Pivot is Moving to a New URL

On March 1, 2019, Pivot is moving to https://pivot.proquest.com and the current Pivot URL, https://pivot.cos.com, will be discontinued. Traffic to cos.com will not automatically redirect to the new URL, including any links you have saved. You will need to make needed changes before the deadline.


Be sure to...

- Change the cos.com portion of any Pivot URL you have saved to proquest.com. No need to recreate searches or lists if you have saved searches, curated lists, or pivot search widgets on any webpages.

- Update links on your internal websites, and alert other faculty and researchers of the new URL before the current URL discontinues in March.
FUNDING OPPORTUNITIES

- DaCCoTA Scholars Program
- Morris Animal Foundation - Small Animal Studies
- ND Department of Ag: Specialty Crop Grants
- NEA: Creative Writing Fellowships
- NEA: Challenge America Grants
- NIH: Collaborative Program Grant for Multidisciplinary Teams
- NIH: Shared Instrumentation - Animal Research
- NSF: Materials Innovation Platforms
- Sanford Health - NDSU Collaborative Research Seed Grants

EVENT

- NSF CAREER Proposal Development Program
- NDSU EXPLORE: Registration Open
- AHSS Faculty Research Conversations
- 3 Minute Thesis
DaCCoTA Scholars Program

The goal of the DaCCoTA Scholars Program is to support early career faculty (assistant professor level) with the goal of developing successful clinical/translational (CTR) investigators in NIH-eligible fields. The program will fund research that fosters the multidirectional integration of basic research, patient-oriented research, and population-based research, with the long-term aim of improving the health of the public. Scholars accepted into the program will receive up to 50% FTE (plus benefits) and up to $50,000 annually to support initial research efforts. Up to two (2) applications will be funded. Preference will be given to projects that are T2, T3 or T4. Projects that are T1 will be considered if they show a plan to progress to T2 or beyond. Scholars will be matched with two mentors, a clinician and a non-clinician. This is one of the programs sponsored by the Dakota Cancer Collaborative on Translational Activity (DaCCoTA), supported by an NIH/NIGMS grant and administered primarily at the University of North Dakota (UND).
Morris Animal Foundation - Small Animal Studies

The Morris Animal Foundation is currently seeking proposals for Established Investigator, First Award, Fellowship Training and Pilot Study grants on topics relevant to small companion animal health and welfare. All proposals relevant to the mission of the Foundation will be given equal consideration for funding. However, topics of particular interest are:

1. Prevention, treatment and diagnosis of heartworm disease in cats or dogs.
2. All aspects of heart disease in Doberman pinschers.
3. Appropriate dosing of CBD-rich hemp oil used for pain management in dogs.

Funding decisions will be made in mid-July 2018 with grant awards starting as early as August 1, 2018. Separate programs are also available for large companion animals (equine species, camelids) and wildlife (including reptiles, amphibians, exotic pets).

Application deadline: March 13, 2019
North Dakota Department of Agriculture: 2019 Specialty Crop Grants

ND Agriculture Commissioner Doug Goehring has announced a competitive grant program for projects that solely enhance the competitiveness of specialty crops in North Dakota. Projects must also benefit more than one commercial product (e.g., ABC Company brand), organization, or individual. Organizations, institutions, and individuals are encouraged to submit proposals on their own or in partnerships. Examples of “solely enhancing the competitiveness of specialty crops” can include: education, research, food safety, pest and plant health, marketing and promotion, and production. The USDA defines specialty crops as “fruits and vegetables, tree nuts, dried fruits, horticulture and nursery crops.” Specialty crops grown commercially in North Dakota include dry peas, lentils, potatoes, confection sunflowers, grapes, honey and various vegetables. An information manual with application instructions, scoring criteria and an application template can be found on NDDA’s website. To help potential applicants better understand eligibility, applicants may review projects funded previously.

Application deadline: March 8, 2019

NEA: Creative Writing Fellowships

The National Endowment for the Arts (NEA) Literature Fellowships program offers $25,000 grants in prose (fiction and creative nonfiction) and poetry to published creative writers that enable recipients to set aside time for writing, research, travel, and general career advancement. Applications are reviewed through an anonymous process in which the only criteria for review are artistic excellence and artistic merit. To review the applications, the NEA assembles a
different advisory panel every year, each diverse with regard to geography, race and ethnicity, and artistic points of view. The NEA Literature Fellowships program operates on a two-year cycle with fellowships in prose and poetry available in alternating years. Fellowships in prose (fiction and creative nonfiction) will be offered in FY 2020 with this solicitation. Applicants may apply only once each year. Competition for fellowships is extremely rigorous; typically, they receive more than 1,000 applications each year in this category.

*Application Deadline: March 6, 2019*

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**NEA: Challenge America Grants - 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.

**NEA Challenge America Grants:** [Notify RCA](#) by 2/19/2019, 5 pm if you intend to apply.

The National Endowment for the Arts (NEA) [Challenge America grants](#), a category of Art Works, offers matching grants of $10,000 to support primarily small and mid-sized organizations for projects that extend the reach of the arts to underserved populations -- those whose opportunities to experience the arts are limited by geography, ethnicity, economics, or disability. Age alone (e.g., youth, seniors) does not qualify a group as underserved; at least one of the underserved characteristics noted above also must be present. Grants are available for professional arts programming and for projects that emphasize the potential of the arts in community development. Partnerships can be valuable to the success of these projects.
While not required, applicants are encouraged to consider partnerships among organizations, both in and outside of the arts, as an appropriate way to engage with the identified underserved audience. **If an organization applies to the Challenge America category, it may not submit another application to the Art Works category.**

*Application Deadline: April 11, 2019*

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**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 Collaborative Program: [Notify RCA](#) by 2/25/2019, 5 pm if you intend to apply.

The National Institutes of Health (NIH) Collaborative Program Grant for Multidisciplinary Teams 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 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
 NIH: Shared Instrumentation for Animal Research Grant Program (S10)

The National Institutes of Health (NIH) Shared Instrumentation for Animal Research (SIFAR) Grant Program (PAR-19-178) encourages applications from groups of NIH-funded investigators to purchase or upgrade scientific instruments necessary to carry out animal experiments in all areas of biomedical research supported by the NIH. Applicants may request clusters of commercially available instruments configured as specialized integrated systems or as series of instruments to support a thematic well-defined area of research using animals or related materials. Priority will be given to uniquely configured systems to support innovative and potentially transformative investigations.

This funding opportunity announcement (FOA) supports requests for state-of-the-art commercially available technologies needed for NIH-funded research using any vertebrate and invertebrate animal species. **This FOA does not support requests for single instruments.** At least one item of the requested instrumentation must cost at least $50,000, after all applicable discounts. No instrument in a cluster can cost less than $20,000, after all applicable discounts. There is no maximum price requirement; however, the maximum award is $750,000 of direct costs.

*Application deadline: May 31, 2019*
**NSF: Materials Innovation Platforms**

*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 Materials Innovation Platform**: Notify RCA by 2/25/2019, 5 p.m. if you intend to apply.

The National Science Foundation (NSF) Materials Innovation Platforms (MIP) Program (*NSF 19-526*), is a mid-scale infrastructure program in the NSF Division of Materials Research (DMR) designed to accelerate advances in materials research. MIPs respond to the increasing complexity of materials research that requires close collaboration of interdisciplinary and transdisciplinary teams and access to cutting edge tools. These tools in a user facility benefit both a user program and in-house research, which focus on addressing grand challenges of fundamental science and meet national needs. MIPs embrace the paradigm set forth by the Materials Genome Initiative (MGI), which strives to "discover, manufacture, and deploy advanced materials twice as fast, at a fraction of the cost," and conduct research through iterative "closed-loop" efforts among the areas of materials synthesis/processing, materials characterization, and theory/modeling/simulation. In addition, they are expected to engage the emerging field of data science in materials research. Each MIP is a scientific ecosystem, which includes in-house research scientists, external users and other contributors who, collectively, form a community of practitioners and share tools, codes, samples, data and know-how. The knowledge sharing is designed to strengthen collaborations among scientists and enable them to work in new ways, fostering new modalities of research and education/training, for the purpose of accelerating discovery and development of new materials and novel materials.
phenomena/properties, as well as fostering their eventual deployment. The MIP competition in 2019 focuses on the convergence of materials research with biological sciences for developing new materials.

Application deadline: April 26, 2019

Sanford Health - NDSU Collaborative Research Seed Grant Program

The fifth Sanford Health - NDSU Collaborative Research Seed Grant program’s Request for Applications (RFA) has been released. Proposals are to be submitted electronically to NDSU.BusinessDev@ndsu.edu by 5:00 PM on March 19, 2019. The full RFA and Application form can be downloaded from the program’s webpage.

Questions regarding suitability of topic areas, collaborating with Sanford, or other program-related questions can be addressed by Business Development (231-6660 or NDSU.businessdev@ndsu.edu).

NSF CAREER Proposal Development Program

If you are interested in applying to the NSF CAREER program this year or in future years, we invite you to participate in the Proposal Development Program. This program will include interactive discussions on topics such as developing a proposal workplan, intellectual merit and broader impacts, writing the first page, education resources, developing budgets, and much more.
An introductory session is planned for **Wednesday, February 20, 2019** from 12:00-1:15 pm in the **Memorial Union Rose Room**.

If you are interested in participating, please contact the Research Development Office by **Wednesday, February 13, 2019** at [ndsu.researchdev@ndsu.edu](mailto:ndsu.researchdev@ndsu.edu).

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**NDSU EXPLORE Showcase of Undergraduate Research & Creative Activity - Registration Now Open**

The NDSU EXPLORE Showcase of Undergraduate Research & Creative Activity is a campus-wide event to showcase students' research and creativity. Students present their projects in whatever format is appropriate for their work, whether in a poster, oral presentation, video, table display, or other format. Projects need not be finished; they can be in-progress.
The 2019 NDSU EXPLORE Showcase will take place Thursday, April 11, 2019.

For more information, including eligibility, guidelines, award information, and registration, visit the NDSU EXPLORE webpage.

AHSS Faculty Research Conversations
The College of Arts, Humanities, and Social Sciences is holding its first AHSS Faculty Research Conversations event. This event will provide an opportunity for faculty to share and discuss their recent publications, research, and creative activity with colleagues, students, and other members of the campus community. Sixteen faculty from across the college will participate through poster and book presentations. It will take place from 3-6 pm on February 12, 2019, in the Prairie Rose Room of the Memorial Union.

Three Minute Thesis Competition & Graduate Student Showcase
The College of Graduate and Interdisciplinary Studies will be hosting 5th Annual Three Minute Thesis Competition & Graduate Student Showcase on Thursday February 21 in the Memorial Union. The 3MT is a competition amongst graduate student to present their research in a way that is clear and interesting to nonspecialists in only 3 minutes.

The 3MT Preliminary Rounds are at 10 am and 11 am. The Graduate Student Showcase, with posters and displays, is from 1 – 1:50 pm. The Championship
Round of the 3MT will be at 2:00 pm and will be followed by the Awards Ceremony and a reception.

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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