

October 14, 2019

Meet NDSU's New Assistant Professors

Throughout the year, RCA will be highlighting new faculty in the weekly newsletter. Full profiles are available on the [RCA website](#).

Yuri Montanholi, Ph.D.

Animal Sciences

What are your primary research and scholarly interests?

Beef Cattle Husbandry, focused on energy metabolism, feed ("fuel") efficiency, applied physiology with emphasis on cardiology and theriogenology and general herd management.

Where are you from and where did you pursue your education?

D.V.M. from Universidade do Estado de Santa Catarina - Brazil; M.Sc. from Universidade Federal do Rio Grande do Sul -



Brazil; Ph.D. from University of Guelph, Canada; PDF from University of Guelph, Canada.

What excites you about NDSU?

The potential of integrating applied research with Extension efforts to support sustainable beef farming in its broad sense.

What motivates you?

Cows are a great motivation, such elegant and expressive animals! Students and farmers are also a great motivation. The same is true to those that are benefited from the beef cattle in industry across the production chain.

[Learn more about Yuri >>](#)

Proposal Policy Reminder

NDSU Policy requires that all external proposal budgets be reviewed and approved by Sponsored Programs Administration (SPA) prior to submission to any sponsor. Please visit our [Submitting a Proposal](#) page for more information.

Preparing Proposal Budgets for NIH

The National Institutes of Health (NIH) uses two different formats for budget submission depending on the total direct costs requested and the activity code used.

The application forms package associated with most NIH funding opportunities includes two optional budget forms

1. R&R Budget Form; and,
2. PHS 398 Modular Budget Form.

NIH applications will include either the R&R Budget Form or the PHS 398 Modular Budget Form, but not both. To determine whether to use a detailed versus modular budget for your application, see this [flowchart](#) developed by NIH.

Please remember that NDSU's Sponsored Programs Office needs a detailed budget for internal review purposes when the modular format is used.

The [RCA website](#) provides guidance on developing a budget and budget justification. For assistance with budget development send an email to ndsuhresearch@ndsuh.edu.

Payments to Research Participants

NDSU Accounting has announced changes to how payments for research participants will be processed.

In March of 2019, the NDSU Accounting department began processing payments over \$75 to research participants through AP Vouchers. Based on feedback received from campus departments, they have opted to make some changes to this process.

Going forward, payments to research participants of more than \$75 can be done through a cash advance. The employee receiving the cash advance will be responsible to NDSU for the return of all cash not

appropriately accounted for and/or used for an unallowable university expense. If the participants need to remain anonymous, it will be the department's responsibility to track if an individual exceeds \$600 during the calendar year. NDSU Accounting will continue to track payments to individuals as needed based on dollar threshold and may require the department to obtain a W-9 if payments exceed \$600.

Please refer to the [NDSU Accounting webpage](#) for further information on making payments to participants in research studies.

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

American Philosophical Society: Franklin Research Grants

[Franklin Research Grants](#) of up to \$6,000 will be awarded to help meet the costs of travel to libraries and archives for research purposes; the purchase of microfilm, photocopies, or equivalent research materials; costs associated with fieldwork; or laboratory research expenses. PhD candidates are not eligible to apply, but the society is interested in supporting the work of young scholars who have recently received their doctorate.

These awards are not intended to meet the expenses of attending conferences or the costs of publication. Applications require two letters of support.

For complete program guidelines, FAQs, and application instructions, see the [American Philosophical Society website](#).

Deadline: December 2, 2019

[Track this opportunity >>](#)

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MnDOT: Research Services Academic Research Program - Multi-Award

The Minnesota Department of Transportation (MnDOT) is requesting proposals from colleges and universities for providing academic research on a wide variety of transportation-related topics. Contracts under this program will include research support, implementation and technology transfer, and education activities. The intent of this request for proposals (RFP) is to establish a list of qualified academic institutions to address specific research issues identified by MnDOT requiring expertise not available within MnDOT.

- [RFP](#) (PDF)
- [Sample Master Contract](#) (PDF)
- [Questions](#) (PDF)

Deadline: November 7, 2019

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NIH: Perception and Cognition Research to Inform Cancer Image Interpretation (R21 Clinical Trial Optional)

The purpose of this funding opportunity announcement ([FOA / PAR-19-389](#)) is to facilitate research on the perceptual and cognitive processes underlying the performance of cancer image observers. Specifically, the FOA will bring scientists with expertise in visual perception and cognition together with radiologists, pathologists, nuclear medicine physicians, and other experts in

cancer image interpretation. The scientific scope will yield insights to improve the accuracy of cancer detection and diagnosis as a result of the National Cancer Institute (NCI) investment in studying the underlying perceptual and cognitive processes.

Projects suitable for this FOA will have a focus on underlying cognitive and perceptual mechanisms, rather than descriptive studies. For example, a study demonstrating the relationship between experience and interpretation accuracy would not be appropriate, but a study identifying the visual features acquired by expert observers would be appropriate. In particular, the FOA seeks to encourage research that identifies a critical problem in cancer image perception, studies the underlying perceptual or cognitive mechanisms in a basic laboratory setting, and tests the most promising hypotheses in the applied cancer imaging context.

This FOA utilizes the Exploratory/Developmental Grant (R21) mechanism, which supports investigation of novel scientific ideas or new model systems, tools, or technologies that have the potential for significant impact on biomedical or biobehavioral research. An R21 grant application need not have extensive background material or preliminary information.

Standard NIH Application [Due Dates](#) apply.

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NIH: Strategies to Improve Health Outcomes to Reduce Disparities in Rural Populations (R01 Clinical Trial Optional)

This Request for Applications ([RFA-NR-20-001](#)) encourages research to promote a greater understanding of the challenges faced by rural population groups, for the development (or adoption/adaptation) of evidence-based interventions that can reduce health risks faced by rural Americans. Both prevention and treatment interventions are needed to address rural health issues. Prevention strategies should address and measure reductions in risk

factors and enhancement of protective factors, while treatment approaches would seek to measure and address amelioration of health in individuals living with existing conditions. To accomplish these goals, the research community will be encouraged to use a wide range of culturally appropriate methodological approaches that can enhance access to and acceptability of interventions in rural settings, such as telehealth and community-based prevention research, where appropriate. It is our hope that research supported under this RFA will contribute to our knowledge of the sustainability of health promotion and disease prevention strategies in rural settings.

Research Objectives include, but are not limited to, studies that:

- Promote a greater understanding of the challenges faced by rural population groups in the US
- Identify disparities among population groups living in the rural US and strategies that specifically benefit those communities
- Lead to identification of social determinants of health, especially
- Risk and protective factors specific to rural areas
- Encourage incorporation of these into development or adaptation of prevention interventions
- Implement evidence-based interventions (EBIs) relevant to the culture of rural populations and settings in the US
- Incorporate study designs that are most appropriate to, or can benefit, rural communities, such as:
 - Community-based Participatory Research (CBPR) approaches, that take advantage of resources central to rural areas
 - Remote health technologies to increase reach of intervention strategies (e.g., in remote rural areas)
- Understand the factors that determine the sustainability of health promotion strategies in rural setting

Letter Of Intent Due: November 13, 2019

Applications Due: December 13, 2019

NSF: National Artificial Intelligence (AI) Research Institutes

Artificial Intelligence (AI) has advanced tremendously and today promises personalized healthcare; enhanced national security; improved transportation; and more effective education, to name just a few benefits. Increased computing power, the availability of large datasets and streaming data, and algorithmic advances in machine learning (ML) have made it possible for AI development to create new sectors of the economy and revitalize industries. Continued advancement, enabled by sustained federal investment and channeled toward issues of national importance, holds the potential for further economic impact and quality-of-life improvements.

The 2019 update to the [National Artificial Intelligence Research and Development Strategic Plan](#), informed by visioning activities in the scientific community as well as interaction with the public, identifies as its first strategic objective the need to make long-term investments in AI research in areas with the potential for long-term payoffs in AI.

This program ([NSF 20-503](#)), a joint effort of the National Science Foundation (NSF), U.S. Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA), U.S. Department of Homeland Security (DHS) Science & Technology Directorate (S&T), U.S. Department of Transportation (DOT) Federal Highway Administration (FHWA), and U.S. Department of Veterans Affairs (VA), seeks to enable such research through AI Research Institutes.

This program solicitation describes two tracks: Planning and Institute. Submissions to the **Planning** track are encouraged in any areas of foundational and use-inspired research appropriate to NSF and its partner organizations. Proposals for the **Institute** track must have a principal focus in one or more of the following themes, detailed in the Program Description under "Institute Track":

- Trustworthy AI;
- Foundations of Machine Learning;
- AI-Driven Innovation in Agriculture and the Food System;

- AI-Augmented Learning;
- AI for Accelerating Molecular Synthesis and Manufacturing; and
- AI for Discovery in Physics.

Deadline: January 28, 2020 for Institute proposals in one of the six specified themes; January 30, 2020 for Planning proposals

[Track this opportunity >>](#)

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Pancreatic Cancer Action Network: Career Development Awards

The [Pancreatic Cancer Action Network](#)'s (PanCAN) competitive Grants Program funds promising and meritorious research on pancreatic cancer. The organization's grantmaking strategy recognizes the need to maintain a pipeline of researchers dedicated to studying pancreatic cancer and acknowledges an urgency to accelerate scientific and medical breakthroughs that benefit patients. Early-career grants are awarded with the goal of attracting researchers to the field of pancreatic cancer, while translational and clinical grants support research that is well-positioned for next steps and has the potential to drive improvements in clinical practice and patient outcomes.

The organization's [Translational Research Grant](#) program supports an independent investigator conducting high priority pancreatic cancer research that is poised for important translational next steps to help move scientific discovery to application in patients. Proposed research should aim to identify novel targets and approaches to the treatment of pancreatic cancer or understand and circumvent treatment resistance.

Application Deadline: December 6, 2019

The organization's [Career Development Award](#) supports junior faculty to conduct pancreatic cancer research and establish successful career paths in the field. Proposed research may be basic, translational, clinical or

epidemiological in nature and must have direct applicability and relevance to pancreatic cancer.

Application Deadline: December 13, 2019



The Retirement Research Foundation: Research Grants

The [Retirement Research Foundation](#) (RRF) funds [research projects](#) that have a regional or national impact on older Americans. Of particular interest are projects that seek causes and solutions to significant problems facing older adults, ages 65 and older, through support of applied and policy research for which federal funding is not available.

RRF trustees recently approved a three-year strategic plan that reflects a continued commitment to improving quality of life for older people and a desire to become increasingly proactive. A centerpiece of the plan is the establishment of strategic priority areas, including specific topics in aging that will be given higher priority within RRF's grantmaking program beginning in 2020. Priority areas include:

- **Caregiving:** Ensuring that care partners (including family members, friends, or neighbors) are informed, well-trained, and supported, as they care for older people in community settings.
- **Housing:** Promoting efforts that make housing more affordable and provide coordinated services that enable older people to remain living in the community safely and with dignity.
- **Economic Security in Later Life:** Valuing the dignity of older people through efforts that ensure and protect their economic security and well-being.

- **Social and Intergenerational Connectedness:** Reducing isolation and loneliness in later life through efforts that strengthen meaningful social bonds, including those that span generations.

Each priority area affords an opportunity for RRF to support innovative and effective projects that enable older people to live well and fully in community settings. While the priority areas reflect RRF's primary funding interests, the foundation will remain open to considering compelling applications on other topics.

Letter of Intent deadline: December 1, 2019



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:

- **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.

National Council of University Research Administrators Education Program Workshops

Sponsored Programs is sponsoring three webinars that are a part of the National Council of University Research Administrators (NCURA) education program.

NIH Fundamentals Workshop:

The NIH Fundamentals provides a primary basis of understanding of proposals to and awards from the National Institutes of Health (NIH). This workshop will give you the basics and we will walk you through the grants process, and give you an overview of key resources and websites you will need to be successful. 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 the NIH.

Date: October 16, 2019

Time: 1:30PM – 5:00PM

Location: Research 1, Room 148/154

Financial Research Compliance Workshop:

The Financial Research Compliance workshop is a professional development opportunity that focuses primarily on the financial regulatory compliance aspects of Research Administration. This workshop provides an in-depth look at financial compliance issues through a combination of lecture, case studies, review of Federal audit reports, and a discussion of best practices.

Date: November 20, 2019

Time: 1:30PM – 5:00PM

Location: Research 1, Room 148/154

NSF Fundamentals Workshop:

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.

This workshop took place September 18, 2019.

[Access the recording >>](#)

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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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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