On **Tuesday, April 19, 130 students** from disciplines across campus will come together in the Memorial Union to present their research and creative work at **Student Research Day**.

Student Research Day is a collaborative event that combines our annual NDSU EXPLORE program with both the Graduate Student Council and Gamma Sigma Delta programs.

We invite you to attend the presentations and poster sessions, learn about the incredible work our students are doing, and to celebrate the student participants and award winners at the **afternoon reception**. Schedule details follow:

**9:30-11:30am**
- Undergraduate Student Oral Presentations - Hidatsa
- Undergraduate Student Poster Session - Ballroom B

**1:00-3:00pm**
- Graduate Student Oral Presentations - Hidatsa, Sahnish, Prairie, Rose
- Graduate Student Poster Session - Ballroom B
NDSU Students Present at NCUR 2022

NDSU undergraduate researchers recently presented their work at the National Conference on Undergraduate Research (NCUR) 2022, an annual conference held by the Council on Undergraduate Research (CUR). In its 35th year, the conference is dedicated to promoting the research, scholarship, and creative activity of undergraduate student scholars from all institutions of higher learning and from all disciplines. The students from NDSU joined more than 3,200 students for the virtual event, which was held during the week of April 4-8.

The NDSU Office of Research and Creative Activity funded the registration fee for the following the students: Annie Schiro, Tiffany Meeks, Troy Timmerman, Mohammed Mohammed, Lexie Rennemo, Vincent Holmlund, Braxton Rolle, and Elizabeth Krause.

For more information, see https://www.cur.org/what/events/students/ncur/2022/ncur_2022/.

Open House for Jolynne Tschetter
April 25, 2022 / 2-4pm
NDSU Research 1 Building, Room 148/154

Jolynne Tschetter, PhD, will be leaving the Office of Research and Creative Activity on April 26, 2022. Please join us for an open house in honor of Jolynne and in recognition of her service and contributions to NDSU.

Travel Support Available for NDSU Staff to Attend NCURA Conference in Minneapolis, MN

The Office of the Vice President for Research and Creative Activity (VP RCA) is offering to cover partial travel costs for a limited number of NDSU staff that support campus research administration activities on behalf of colleges / departments / centers to attend the NCURA Region IV meeting being held in Minneapolis, MN, in mid-May.

NCURA is the National Council of University Research Administrators, a professional society dedicated to advancing expertise in the profession of research administration. Region IV includes ND, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Nebraska, Ohio, South Dakota and Wisconsin. You do not have to be a member of NCURA to attend the conference.

The VP RCA will cover up to 50% of the cost of attendance at the NCURA Region IV conference, not to exceed $750 / attendee. Expenses in excess of the VP RCA travel support funds will be the responsibility of the home college / department / center.

Information on the program, registration and hotels can be found on the NCURA Region IV website. Please note that the early bird registration ends April 14, 2022. After that date, the cost of registration increases $50. Registration closes May 4, 2022.

Interested individuals should email their request for support to val.kettner@ndsu.edu and indicate that other institutional support has been
approved. There is a cap on the number of attendees for which travel support is available, so please act quickly. Requests will be considered up until the VP RCA funds are fully committed or registration closes.

NDSU RESEARCH AND CREATIVE ACTIVITY PRESENTS

WORKING WITH INDUSTRY

Join us for a panel discussion with seasoned faculty members as they discuss how to initiate and maintain a successful relationship with industry partners.

Thursday, April 21, 2022
10:00 - 11:00 AM
Memorial Union - Hidatsa/Sahnish and Zoom

REGISTER TODAY!

Write Winning Grant Proposals Virtual Workshop
June 1-2, 2022 | 8:30am-12pm both days

Grant Writers Seminars and Workshops (GWSW), will present a virtual seminar titled "Write Winning Grant Proposals." This workshop, presented over two half-days by John Robertson, PhD, comprehensively addresses the practical, conceptual, and rhetorical aspects of writing competitive grant proposals, including:

- critical steps for organizing and planning your proposal,
- understanding the role (and mindset) of your reviewers,
- strategy for writing a compelling specific aims (NIH), overview and objectives (NSF), or equivalent section, and
- specific strategies and tips for each major section of a grant proposal.

Register to participate >>

**New NIH Scientific Data Sharing Website**
The National Institutes of Health (NIH) announced a new website on Scientific Data Sharing. Whether you are involved in an NIH-funded project and want to understand which sharing policies apply to your research and how to comply, or you are a researcher looking to access scientific data from NIH-affiliated repositories, this site can be a resource for you.

Learn more: https://sharing.nih.gov/

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**FUNDING OPPORTUNITIES**

- **DHHS: Teenage Pregnancy Prevention Evaluation and Research Grants**
- **ED: Supporting Effective Educator Development**
- **NEH: Humanities Connections**
- **NIH: Cancer Prevention, Detection, Diagnosis, and Treatment Technologies**
- **NIH: Digital Mental Health**
- **NIH: Director’s New Innovator Award**
- **NIU: Research and Evaluation on Policing**
- **NSF: Science of Learning and Augmented Intelligence**
- **RWJF: Food and Health Research using Consumer Food Data System**
- **USDA: Scientific Cooperation Research Program**
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. Email notifications of interest to ndsu.researchdev@ndsu.edu.

If you identify a limited submission opportunity that is not on the list below, please notify ndsu.researchdev@ndsu.edu.

- NIH: Faculty Institutional Recruitment for Sustainable Transformation Cohort  
  Notification Deadline: 04/12/2022
- NEA: Grants for Arts Projects  
  Notification Deadline: 04/13/2022
- NSF: Partnerships for Innovation  
  Notification Deadline: 04/13/2022
- NIH: Science Education Partnership Award  
  Notification Deadline: 04/13/2022
- Breast Cancer Alliance: Young Investigator Grants  
  Notification Deadline: 04/20/2022

There are a number of limited submission grant programs with upcoming agency deadlines for which we did not receive any notifications of interest. A full list of those programs is available on the [Limited Submissions page](#). For these programs, marked "First to Notify," approval to move forward with a full proposal submission to the funder will be given on a first come, first served basis. Email notifications of interest to ndsu.researchdev@ndsu.edu.

Looking for more funding opportunities?

RCA subscribes to SPIN by InfoEd Global, a database of more than 40,000 funding opportunities. Through this subscription, SPIN is free for current NDSU faculty, staff, and students.
For more information and to access this database, visit the SPIN page on the RCA website. If you have questions, please contact ndsu.researchdev@ndsu.edu.

**DHHS: Teenage Pregnancy Prevention Evaluation and Research Grants**

This notice [PA-PHE-22-002](PA-PHE-22-002) solicits applications for projects that will conduct evaluations or research that would make significant contributions to the mission of the Office of Population Affairs (OPA) and to the teen pregnancy prevention, adolescent sexual and reproductive health, and family planning fields. OPA will consider evaluation and research projects that explore new questions in teen pregnancy prevention, adolescent sexual and reproductive health, and family planning more broadly that improve the efficiency, effectiveness, and quality of these programs for adolescents or young adults, and / or reduce existing disparities. These grants are for projects that can be conducted within one to two years, such as secondary data analyses using existing program and evaluation data or administrative data. The five areas of investigation to be funded include:

- Identifying factors that improve the quality, access, and equity of teen pregnancy prevention and adolescent sexual and reproductive health programs for adolescents or young adults, or factors that reduce disparities.
- Identifying and / or validating core program components or “active ingredients” essential for teen pregnancy prevention programs and practices to produce the desired outcomes.
- Exploring the impacts of making adaptations to evidence-based teen pregnancy prevention programs.
- Exploring collective impact or multidisciplinary collaboratives at the state or community level as an innovative strategy for increasing impact on adolescent sexual and reproductive health outcomes.
- Scaling and conducting testing of emerging adolescent sexual health innovations in order to generate early data and prepare for future rigorous impact evaluation.

*Deadline: June 14, 2022*
ED: Supporting Effective Educator Development

The Supporting Effective Educator Development (SEED) program provides funding to increase the number of highly effective educators by supporting the implementation of Evidence-Based practices that prepare, develop, or enhance the skills of educators. These grants will allow eligible entities to develop, expand, and evaluate practices that can serve as models to be sustained and disseminated.

Deadline: June 3, 2022

NEH: Humanities Connections

The Humanities Connections program seeks to expand the role of the humanities in undergraduate education at two- and four-year institutions. Awards support innovative curricular approaches that foster partnerships among humanities faculty and their counterparts in the social and natural sciences and in pre-service or professional programs (such as business, engineering, health sciences, law, computer science, and other technology-driven fields), in order to encourage and develop new integrative learning opportunities for students.

Humanities Connections projects must include:

- substantive and purposeful integration of the subject matter, perspectives, and pedagogical approaches of two or more disciplines (with a minimum of one in and one outside of the humanities);
- collaboration between faculty from two or more departments or schools at one or more institutions;
- experiential learning as an intrinsic part of the proposed curriculum; and
- long-term institutional support for the proposed curriculum innovation(s).

Competitive applications will demonstrate:

- that the proposed curricular project expands the role of the humanities in addressing significant and compelling topics or issues in undergraduate education at the applicant institution(s);
- that these projects develop the intellectual skills and habits of mind cultivated by the study of the humanities; and
that faculty and students will benefit from meaningful collaborations in teaching and learning across disciplines as a result of the project.

The Humanities Connections program includes two funding levels: Planning and Implementation.

The 2022 application instructions will be available July 1, 2022. The deadline for applications is September 1, 2022.

NIH: Cancer Prevention, Detection, Diagnosis, and Treatment Technologies for Global Health (U01 Clinical Trial Optional)

This Funding Opportunity Announcement (FOA) [RFA-CA-22-020] supports the development of cancer-relevant technologies suitable for use in low- and middle-income countries (LMICs). Specifically, the FOA solicits applications for projects to adapt, apply, and validate existing or emerging technologies into a new generation of user-friendly, low-cost technologies for preventing, detecting, diagnosing, and/or treating cancers in people living in LMICs.

Applicants should have a working assay or device prototype (not necessarily already capable of cancer applications). The U01 project includes studies to both adapt this technology as well as demonstrate technical functionality and clinical performance for use of the device or assay in specific LMIC settings by meeting objective performance milestones followed by improvements and validations of the technologies in the LMIC settings. Projects proposed in response to this FOA will require multidisciplinary efforts to succeed; therefore, all applicant teams must include expertise in engineering/assay/treatment development, oncology, global healthcare delivery, and business development. Investigators responding to this FOA must consider affordability and cost-effectiveness as well as usability at the point-of-need as part of their design criteria.

This funding opportunity is part of a broader NCI-sponsored Affordable Cancer Technologies (ACTs) Program.

**Deadline:** June 17, 2022

See also these other NCI opportunities:
• RFA-CA-22-021, R21 Exploratory / Developmental Grants
• RFA-CA-22-022, U01 Research Project (Cooperative Agreements)
• RFA-CA-22-023, U24 Resource-Related Research Project (Cooperative Agreements)
• RFA-CA-22-024, U24 Resource-Related Research Project (Cooperative Agreements)

NIH: Digital Mental Health (R01 Clinical Trial Required)

The National Institute of Mental Health (NIMH) seeks applications for innovative research projects to test strategies to increase the reach, efficiency, effectiveness, and quality of digital mental health interventions which may impact mental health outcomes, including suicide behaviors and serious mental illness. This funding opportunity announcement [PAR-22-154] is intended to support the development of digital health test beds that leverage well-established digital mental health platforms and infrastructure to rapidly refine and optimize existing evidence-based digital health interventions and to conduct clinical research testing digital mental health interventions that are statistically powered to provide a definitive answer regarding the intervention's effectiveness particularly in populations who experience health disparities and vulnerable populations.

Standard deadlines apply; upcoming deadlines are June 5, October 5, and February 5

NIH: Director's New Innovator Award Program (DP2 Clinical Trial Optional)

The NIH Director's New Innovator Award Program supports early stage investigators of exceptional creativity who propose highly innovative research projects with the potential to produce a major impact on broad, important areas relevant to the mission of NIH. For the program to support the best possible researchers and research, applications are sought which reflect the full diversity of the research workforce. Individuals from diverse backgrounds, including those from underrepresented groups and from the full spectrum of eligible institutions in all geographic locations are strongly encouraged to apply to this Funding Opportunity Announcement [RFA-RM-22-019]. In addition, applications in all topics relevant to the broad mission of NIH are welcome, including, but not limited to,
topics in the behavioral, social, biomedical, applied, and formal sciences and topics that may involve basic, translational, or clinical research. The NIH Director’s New Innovator Award Program complements other ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators. The NIH Director’s New Innovator Award Program is a component of the High-Risk, High-Reward Research (HRHR) Program of the NIH Common Fund.

Deadline: August 19, 2022

NIJ: Research and Evaluation on Policing

With this solicitation [O-NIJ-2022-171247], the National Institute of Justice (NIJ) seeks proposals for rigorous research and evaluation projects that examine (1) the impact of the reallocation of police resources consequent to redefining police mandates on public safety and public services; (2) implementation and sustainment of long-term organizational change in policing agencies; and (3) police recruitment, retention, and training in today’s environment. As it regards police recruitment, retention, and training, NIJ seeks proposals for a comprehensive landscape analysis, complemented by case studies that evaluate current recruitment and training practices and strategies and / or explore the effects of modifying current recruitment and training practices and strategies in response to the calls for reform of policing mandates.

Deadline: June 3, 2022

NSF: Science of Learning and Augmented Intelligence

Science of Learning and Augmented Intelligence [PD 19-127Y] supports potentially transformative research that develops basic theoretical insights and fundamental knowledge about principles, processes and mechanisms of learning, and about augmented intelligence - how human cognitive function can be augmented through interactions with others, contextual variations, and technological advances.

The program supports research addressing learning in individuals and in groups, across a wide range of domains at one or more levels of analysis including: molecular / cellular
mechanisms; brain systems; cognitive, affective, and behavioral processes; and social / cultural influences.

The program also supports research on augmented intelligence that clearly articulates principled ways in which human approaches to learning and related processes, such as in design, complex decision-making and problem-solving, can be improved through interactions with others, and/or the use of artificial intelligence in technology. These could include ways of using knowledge about human functioning to improve the design of collaborative technologies that have capabilities to learn to adapt to humans.

*Upcoming deadlines: July 13, January 18*

**RWJF: Food and Health Research using Consumer Food Data System**

The Robert Wood Johnson Foundation (RWJF) has widened its focus on childhood obesity to consider issues such as nutritional adequacy; upstream factors affecting food supply; nutritional assistance; and indicators of food quality and availability. To contribute to research, evaluation, and learning, especially for its healthy children and families focus area, RWJF is partnering with the U.S. Department of Agriculture’s (USDA’s) Economic Research Service (ERS) on an opportunity to make their data on food and nutrition available to researchers. By doing so, we hope to support research that will help to overcome structural barriers to equitable access to healthy food.

RWJF and ERS are announcing a [call for proposals](https://www.rwjf.org/en-US/grants/call-for-proposals/rwjf-food-and-health-research-using-consumer-food-data-system.html) (CFP) for researchers who will use one or more restricted-use data assets from the Consumer Food Data System (CFDS). We seek to develop a cohort of researchers from diverse academic disciplines and institutions who will produce policy-relevant research on food policy; food retail markets; consumer behaviors related to food purchases and diet; and USDA nutrition assistance programs. It is our hope that the resulting research evidence will inform RWJF’s goal of creating equitable access to nutritious food.

*Deadline for brief proposals: May 16, 2022*
USDA: Scientific Cooperation Research Program

The Scientific Cooperation Research Program (SCRP) supports joint research, extension, and education projects – lasting up to two years – between U.S. researchers and researchers from selected emerging market economies. The projects address issues including but not limited to agricultural trade and market access, animal and plant health, biotechnology, food safety and security, and sustainable natural resource management. Since 1980, the program has supported hundreds of projects, enhancing the technical skills of agricultural professionals, and helping beneficiary countries to be more competitive consumers of U.S. agricultural products. In 2022, the SCRP will support collaborations between U.S. researchers and their foreign counterparts from selected emerging market economies who are responding to climate pressures.

The objectives of submitted proposals may include research and / or technologies that build soil health, sequester carbon, reduce greenhouse gas emissions, enhance productivity, and other initiatives that help to mitigate the impacts of climate change. Ideally, these collaborations should aim to develop practical applied climate-smart outcomes for agricultural communities.

Deadline: June 6, 2022

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.

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.

We collectively acknowledge that we gather at NDSU, a land grant institution, on the traditional lands of the Oceti Sakowin (Dakota, Lakota, Nakoda) and Anishinaabe Peoples in addition to many diverse Indigenous Peoples still connected to these lands. We honor with gratitude Mother Earth and the Indigenous Peoples who have walked with her throughout generations. We will continue to learn how to live in unity with Mother Earth and build strong, mutually beneficial, trusting relationships with Indigenous Peoples of our region.