Welcome to the Research and Creative Activity Update!
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.

These weekly email updates are archived on the [RCA Website](#).

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**DOD Congressionally Directed Medical Research Programs: Tick-Borne Disease Research Program**

The [FY18 Tick-Borne Disease Research Program](#) intends to support highly rigorous, high-impact studies that have the potential to make important contributions to Lyme disease and other tick-borne diseases research, patient care, and/or quality of life. This award mechanism promotes a wide range of research from basic through translational, including preclinical studies in animal models or human subjects, as well as correlative studies associated with an existing clinical trial to establish proof-of-principle for further development in future studies. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale that is established through logical reasoning, preliminary data, and critical review and analysis of the literature.

*Application deadline: Pre-applications due June, 25 2018; full applications due September, 27 2018*
Prevent Cancer Foundation: Grants and Fellowships

The Prevent Cancer Foundation is the only U.S. nonprofit organization solely devoted to cancer prevention and early detection. Since 1985, the Foundation has invested in cancer prevention and early detection research, education, outreach and advocacy and has played a pivotal role in developing a body of knowledge that is the basis for important prevention and early detection strategies. Grant proposals will be considered in the following categories:
- Near-term application, clinical, translational and population-based research projects
- Education programs in cancer prevention/early detection
- Early detection projects
- Behavioral intervention projects

Application deadline: June 28, 2018

American Heart Association / Paul G. Allen Frontiers Group: Initiative in Brain Health and Cognitive Impairment

The American Heart Association (AHA) and the Paul G. Allen Frontiers Group (Frontiers Group) have come together to bridge a historical divide in the scientific and medical community. The current rigid distinction placed between cerebrovascular diseases and neurodegenerative diseases, once considered mutually exclusive conditions, may make it more difficult to understand and mitigate these disorders. The Association and the Frontiers Group, together with additional contributors, including the Oskar Fischer Project, have committed over $43 million to disrupt the incremental trajectory of brain health science and open new frontiers of discovery that will improve and lengthen lives through the AHA-Allen Initiative in Brain Health and Cognitive Impairment. This Initiative will identify and fund highly-promising teams of bioscience investigators pursuing creative, transformative ideas with the potential to move brain health and cognitive impairment science forward. The initiative will grant one or more competitive basic science research award(s) of up to $43 million over eight years. For more information on the Initiative and how to apply, please review the AHA-Allen Initiative in Brain Health and Cognitive Impairment request for applications.

Application deadline: July 6, 2018

HHS Agency for Health Care Research and Quality (AHRQ) Small Research Grant Program (R03) PA-18-794

This Department of Health and Human Services (HHS) funding opportunity encourages Small Research Grant (R03) applications and expresses AHRQ priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

This program follows standard NIH R03 application deadlines: July 16, November 16, March 16

Great Plains Center for Agricultural Health: Academic/Scholarly Research Grants or Community Outreach/Education Grants

The Great Plains Center for Agricultural Health awards Academic/Scholarly Research Grants to academic/scientific investigators and those newly interested in agricultural safety and health research. Funding will support new agricultural safety and health knowledge and assess and promote best safety and health practices, with a focus on projects addressing aging, sleep deprivation, chemical safety, and mental health.

Community Outreach/Education Grants are for community-based nonprofit organizations that are working to prevent agricultural injury and illness through training, educational campaigns, and media. Priority will be given to projects addressing aging, sleep deprivation, chemical safety, and mental health.
Geographic coverage includes Indiana, Iowa, Illinois, Kansas, Michigan, Minnesota, Missouri, North Dakota, Nebraska, Ohio, South Dakota, Wisconsin.

Application Deadline: July 16, 2018

National Endowment for the Humanities: Humanities Collections and Reference Resources

The Humanities Collections and Reference Resources (HCRR) program supports projects that provide an essential underpinning for scholarship, education, and public programming in the humanities. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art and material culture, and digital objects. Funding from this program strengthens efforts to extend the life of such materials and make their intellectual content widely accessible, often through the use of digital technology. Awards are also made to create various reference resources that facilitate use of cultural materials, from works that provide basic information quickly to tools that synthesize and codify knowledge of a subject for in-depth investigation. HCRR offers two kinds of awards: 1) for implementation and 2) for planning, assessment, and pilot efforts (HCRR Foundations awards).

Application deadline: July 19, 2018

National Institute for Occupational Safety and Health: Occupational Safety and Health Research (R01)

The purpose of this R01 grant program (PAR-18-812) is (1) to develop an understanding of the risks and conditions associated with occupational diseases and injuries, (2) to explore methods for reducing risks and preventing or minimizing exposure to hazardous conditions in the workplace, and (3) to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries.

Research objectives supported by NIOSH include, but are not limited to, the following:

- identification and investigation of the relationships between hazardous working conditions and associated occupational diseases and injuries;
- development of more sensitive means of evaluating hazards at work sites;
- development of methods for measuring early markers of adverse health effects and injuries;
- development of new protective equipment and engineering control technology to reduce work-related illnesses and injuries;
- development of work practices that reduce the risks of occupational hazards; and
- evaluation of the technical feasibility or application of a new or improved occupational safety and health procedure, method, technique, or system, including assessment of economic and other factors that influence their diffusion and successful adoption in workplaces.

NIOSH has developed its FY2019-2023 strategic plan that identifies strategic and intermediate goals for its research portfolio. The strategic goals listed below represent the major health and safety issues facing the U.S workforce. These goals are the broad focus areas for this funding opportunity.

Strategic Goals

- Reduce occupational cancer, cardiovascular disease, adverse reproductive outcomes, and other chronic diseases.
- Reduce occupational hearing loss.
- Reduce occupational immune, infectious, and dermal disease.
- Reduce occupational musculoskeletal disorders.
- Reduce occupational respiratory disease.
- Improve workplace safety to reduce traumatic injuries.
- Promote safe and healthy work design and well-being.

Intermediate Goals

NIOSH has also identified intermediate goals. These are specific actions needed to achieve, or help achieve, the
strategic goals. In addition, NIOSH has identified certain areas where extramural research is specifically encouraged to fill a gap or provide a capacity that NIOSH cannot. Descriptions and updates of the strategic and intermediate goals are on the NIOSH website.

Funding priority will be given to those applications that clearly address strategic and intermediate goals. Applications Due: July 23, 2018

USDA-AFRI Foundational and Applied Science Program
The AFRI Foundational and Applied Science Program supports grants in six AFRI priority areas to advance knowledge in both fundamental and applied sciences important to agriculture. The six priority areas are:

- Plant Health and Production and Plant Products
- Animal Health and Production and Animal Products
- Food Safety, Nutrition, and Health
- Bioenergy, Natural Resources, and Environment
- Agriculture Systems and Technology
- Agriculture Economics and Rural Communities

Research-only, extension-only, and integrated research, education and/or extension projects are solicited in this Request for Applications (RFA).

Deadlines vary depending on topic area; consult the RFA.

Pivot Tip to Improve Funding Searches
Beginning Tuesday, June 5, Pivot users who click on the Funding tab will see a new tab next to the current "search by text" and "search by sponsor" search boxes called "search by keyword." Keywords are an important part of the Pivot search and discovery experience. Pivot's team of editors curates the list of more than 3,500 controlled vocabulary keywords used in Pivot and updates them monthly to keep pace with the latest research trends. Keywords are editorially applied to each funding opportunity in Pivot. With the release of this new feature, it is a good opportunity to remind users that adding more keywords to your Pivot Profile can make a big difference in terms of getting the most relevant alerts and recommendations for new funding opportunities and potential collaborator matches. For more details, see the June Release Notes. For assistance with your Pivot profile or funding searches, contact ndsu.researchdev@ndsu.edu.

NSF Proposal & Award Policy Newsletter
The fifth issue of NSF’s Proposal and Award Policy Newsletter is now available. Topics covered include:

- Draft PAPPG Published in the Federal Register
- Proposal Submission in Research.gov
- New Account Management System
- Revision of NSF Award Terms and Conditions
- Public Access Expansion Repository
- Faculty Compensation – A Reminder

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Working at the University-Industry Interface Webinar Series
If you have missed any of the Working at the University-Industry Interface Webinar Series, the last two webinars and presentation materials are available online.

Title: Managing Intellectual Property (IP) Issues
Video Link: https://budurl.me/cg23t
Presentation Materials Link: https://www.academicimpressions.com/online_training/0218-uidp6.pdf
Last date to watch webinar: June 24, 2018

Title: Benefiting from U-I Collaborations with Government Engagement
Video Link: https://budurl.me/tyswl
Presentation Materials Link: https://www.academicimpressions.com/online_training/0218-uidp7.pdf
Last date to watch webinar: July 1, 2018

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