

Sent: Monday, October 10, 2016 2:53 PM
To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update: October 10, 2016 Edition



Welcome to the Research and Creative Activity Update!

The Office of Research and Creative Activity wants to make sure you are provided with up-to-date information pertaining to research and scholarly activities and opportunities. Thus, to share information quickly rather than through multiple emails, we will continue to provide weekly updates for researchers, scholars and staff to keep up-to-date on grant program changes, deadlines, notices and training, with links to expand the information you may be interested in.

Thank you for your contributions to research and creative activity at NDSU.

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

EVENTS

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- [Forums on Research and Scholarly Activity](#) – Please note the change of location on October 13 to the Century Theater
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NDSU EXPLORE Registration Closing October 12, 2016 – Encourage Your Students to Register

The 2016 NDSU EXPLORE Undergraduate Research Showcase will take place November 1, 2016 in the NDSU Memorial Union. Students present their creative projects, whether complete or in-progress, as a poster, oral presentation, or other format. Encourage your students to register to present their research and scholarly projects. For more information, including the registration link, visit the [NDSU EXPLORE](#) page online.



 [Find us on Facebook](#)



Forums on Research and Scholarly Activity

Please join Vice President for Research and Creative Activity, Dr. Kelly Rusch, throughout the semester for a conversation on research and scholarly activities. While there is no agenda for the forums, Dr. Rusch would like to engage in dialogue and hear your thoughts on growing the research, creative activity and scholarly enterprise on campus as we work to meet the Strategic Plan. These forums are scheduled for the following times:

- October 13, 2016 | 1:00pm-2:00pm | [Memorial Union Century Theater](#) [Discussion of Policies]
- November 17, 2016 | 1:00pm-2:00pm | Memorial Union Badlands Room
- December 8, 2016 | 1:00pm-2:00pm | Memorial Union Badlands Room



Save the Date for Upcoming Gear up for Grants Seminars

Mark your calendars for these upcoming Gear up for Grants Seminars:

Working with Industry

Tuesday, November 15, 2016 | 3-4:30pm | Memorial Union Hidatsa Room

Research Results Beyond Publishing – Intellectual Property, Licensing to Companies, Starting a Company

Wednesday, December 14, 2016 | 3-4:30pm | Memorial Union Hidatsa Room

For more information, visit the [Research and Creative Activity Calendar](#).



DARPA Young Faculty Award Program

The Defense Advanced Research Projects Agency (DARPA) Young Faculty Award (YFA) program aims to identify and engage rising stars in junior faculty positions in academia and equivalent positions at non-profit research institutions and expose them to Department of Defense (DoD) and National Security challenges and needs. In particular, this YFA will provide high-impact funding to elite researchers early in their careers to develop innovative new research directions in the context of enabling transformative DoD capabilities.

DARPA is soliciting innovative research proposals in the areas of:

- physical sciences
- engineering
- materials
- mathematics
- biology
- computing
- informatics
- social science
- manufacturing

For more information, [download the research announcement \(DARPA-RA-16-63\)](#) or read the [FAQs](#).



The Bush Foundation: Community Innovation Grants

Community Innovation Grants from the Bush Foundation support communities to use problem-solving processes that lead to more effective, equitable and sustainable solutions. Visit the [Community Innovation Learning Logs](#) to learn about the work of recent grant recipients.

There are no longer any application deadlines for Community Innovation grants; instead, The Bush Foundation has moved to a rolling application process. Eligible organizations can now apply anytime. [Read the news story](#) to learn more about the new Community Innovation grants process, or [sign up for this webinar](#) on October 13, 2016 at 12:00pm Central Time.



Notification Due Date for Upcoming 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.

Notification emails are due to NDSU.ResearchDev@ndsu.edu for the following upcoming Limited Submission programs:

- **NSF IUSE / Professional Formation of Engineers: REvolutioning engineering and computer science Departments (IUSE/PFE:RED)** – notification due **10/20/2016** - For more information on the program, read the program guidelines online ([NSF 17-501](#)). This funding opportunity enables engineering and computer science departments to lead the nation by successfully achieving significant sustainable changes necessary to overcome longstanding issues in their undergraduate programs and educate inclusive communities of engineering and computer science students prepared to solve 21st century challenges.
- **NSF I-Corps Sites** – notification due **11/2/2016** - For more information on the program, read the program guidelines online ([NSF 16-547](#)). The National Science Foundation (NSF) seeks to develop and nurture a national innovation ecosystem that builds upon research to guide the output of scientific discoveries closer to the development of technologies, products and processes that benefit society. In order to contribute to a national innovation ecosystem, NSF established the NSF Innovation Corps Sites Program (NSF I-Corps Sites). Sites are funded at academic institutions having already existing innovation or entrepreneurial units.



Utility - a Requirement for Patentability

Besides being novel and non-obvious, an idea must have utility to be patentable. The courts have said that an invention cannot be “merely for amusement”, it must have other uses. The invention must be truly useful and that use must be “credible, substantial, and specific.” For example, almost every week there are golf related inventions that are patented with the utility that they improve performance and scoring.

An example of an invention that did not meet this standard was a transgenic mouse that expressed a non-mouse gene. The gene expressed was not a model for a human disease, and it was not to produce a protein that could be a potential therapeutic. The patent application stated that the utility was that the mouse could be used as food for a pet snake. Without any demonstrated enhanced nutritional value for the transgenic mouse, the patent was rejected. The take away from this is that utility is usually not a difficult requirement to meet, but to remember to address the utility of the invention in your patent application.

If you have questions about patentability, contact the Technology Transfer Office: Henry Nowak (1-8173 or henry.nowak@ndsu.edu) or Dale Zetocha (1-8931 or dale.zetocha@ndsu.edu).



New Procedure on Web Page for Small Unmanned Aircraft Flight Operations

The web page for unmanned aircraft information

(https://www.ndsu.edu/research/unmanned_aerial_vehicles/) has been updated to include a procedure for utilizing the new Federal Aviation Administration rules (14 CFR Part 107). These new FAA regulations provide a greatly simplified process for flying small unmanned aircraft (less than 55 pounds), below 400 feet, during daylight hours, and within visual line-of-sight of the pilot. Please check out the web page. You can also contact Aaron Reinholz (1-5338 or aaron.reinholz@ndsu.edu) for additional information.



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