

Sent: Monday, March 21, 2016 3:04 PM
To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - March 21 Edition



Welcome to the Research and Creative Activity Update!

To share information quickly rather than through multiple emails, we will be providing 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

- [**Gear up for Grants: Developing Evaluation Plans for Proposals - REGISTER NOW**](#)
- [**Gear up for Grants: Sponsored Programs Administration – The How, What, Why, & Where - REGISTER NOW**](#)
- [**Write Winning NSF Grant Proposals - REGISTER NOW**](#)
- [**The Council on Undergraduate Research Invites students to a Special NIH Presentation – please share with your students**](#)

NOTICES

- [**Electronics Test Equipment Aids NDSU Research Team With Integrated Circuit Project**](#)

OF INTEREST

- [**Public Disclosure Could Result in Loss of Patent Rights**](#)

Gear up for Grants: Developing Evaluation Plans for Proposals - [REGISTER NOW**](#)**

Tuesday, March 22, 2016 | 3-4:30pm | MU Arikara Room

This seminar will discuss program evaluation or the application of evaluation approaches, techniques, and knowledge to systematically assess and improve the planning, implementation, and effectiveness of programs. Additionally, the seminar will discuss how to apply and develop evaluation plans for grant proposals. Discussion will include locating and selecting outcome measures, logic models, and cost benefit analyses.

Presented by Shannon David, HNES and Jim Deal, Center for Social Research

[REGISTER NOW](#)

For more information on this and other events, visit

http://www.ndsu.edu/research/research_development/seminars_and_workshops/.

Gear up for Grants: Sponsored Programs Administration – The How, What, Why, & Where - [REGISTER NOW**](#)**

Wednesday, April 20, 2016 | 3-4:30pm | MU Arikara Room

Information will be provided on NDSU research administration policies, procedures, budget development, proposal processing, and the award lifecycle. Meet Sponsored Programs staff and learn about resources and tools available to assist with your grant activities. This session is geared toward new faculty or those who are looking for a refresher on these topics.

Presented by Sponsored Programs Administration Staff

[REGISTER NOW](#)

For more information on this and other events, visit

https://www.ndsu.edu/research/research_development/seminars_and_workshops/.

Write Winning NSF Grant Proposals - [REGISTER NOW](#)

Thursday, May 5, 2016 | 7:30am-5pm | MU Plains Room

The widely acclaimed “Write Winning Grant Proposals” seminar is returning to NDSU, presented by John D. Robertson, PhD, of Grant Writers’ Seminars and Workshops, LLC. This seminar will have an emphasis on NSF grant application guidelines. Attendees will receive extensive handouts, as well as a copy of The Grant Application Writer’s Workbook for NSF. For more information about Grant Writers’ Seminars and Workshops, LLC, visit **www.grantcentral.com**.

[REGISTER NOW](#)

For more information on this and other events, visit

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The Council on Undergraduate Research Invites Students to a Special NIH Presentation – please share with your students

Do you know of undergraduate students with a passion for research, who are interested in pathways to an exciting career in biomedical research? CUR invites students to follow the career journey of Dr. Blake Wiedenheft, and his use of the CRISPR gene-editing tool (for more information about CRISPR, see **<http://www.aaas.org/news/science-selects-crispr-genome-editing-tool-2015-breakthrough-year>**). The Council on Undergraduate Research is excited to announce this special invitation to undergraduate researchers, from the prestigious National Institute of General Medical Sciences (NIGMS) of the National Institutes of Health (NIH). Faculty mentors and undergraduate research program directors are also encouraged to attend, and share this information widely on their campuses. Please see the following announcement from the NIGMS for specific details:

SUBJECT: April 13 - CRISPR Researcher Blake Wiedenheft to Talk to Undergraduates About His Research and Career Path

[Blake Wiedenheft, Ph.D.](#), will give the first annual NIGMS Director’s Early Career Investigator Lecture on Wednesday, April 13, 2016, from 2:00-3:00 p.m. EDT. This free event is geared toward undergraduate students but open to all. Sponsored by the National Institute of General Medical Sciences of the National Institutes of Health, the lecture will take place at NIH and be **[videocast for viewing live or later](#)**. Wiedenheft is an assistant professor in the Department of Microbiology and Immunology at Montana State University who does research on the CRISPR gene-editing tool. This exceptionally promising new method was Science magazine’s “breakthrough of the year” for 2015. Following a 30-minute talk about his research, titled “Bacteria, Their Viruses, and How They Taught Us to Perform Genome Surgery,” Wiedenheft will answer questions related to his career path.

Please tell your students about this exciting opportunity to hear from a researcher working on the cutting edge of science, and let them know that they can send their questions for Wiedenheft to Jilliene Drayton

draytonj@nigms.nih.gov by Friday, April 8, 2016.

Electronics Test Equipment Aids NDSU Research Team With Integrated Circuit Project

Dr. Debasis Dawn, Assistant Professor in the Electrical and Computer Engineering Department, is using test equipment in the RCA Research Operations laboratories for his project “Tunable Power Amplifier for Smart Phones”. Dr. Dawn and his students are using the Cascade Probe Station to test small, radio frequency integrated circuit (chip) prototypes they are designing for the project. The project received \$100,000 in funding from the ND Department of Commerce Venture

Grant program. They were recently interviewed by MSU Moorhead's Campus News in the Research 2 test lab (<https://www.youtube.com/watch?v=yHfhSMt4Rdc>).

Tools such as this and many others managed by the Research Operations Recharge Center are available to NDSU researchers for use on their projects. For more information on how these tools can help with your research, contact Aaron Reinholz (1-5338 or aaron.reinholz@ndsu.edu) or visit the Research Operations website at https://www.ndsu.edu/research/research_operations/.

Public Disclosure Could Result in Loss of Patent Rights

Many scientists, especially inventors, often overlook the consequences of publicly disclosing an idea and how it might affect the patentability of an invention. One criteria for patentability is that an invention must be novel (new) for it to be patentable. If the idea has been made available to the public before filing a patent application, by definition it is not new, except in very limited circumstances. So let us explore what a public disclosure is and what it must contain for it to defeat patentability.

A public disclosure is any presentation of the invention that is available or open to the general public. This would include a journal publication or a seminar, even an esoteric journal. We recently found a publication in the Iranian *Journal of Midwifery* that has the same prior art effect as a publication in *Nature*. A seminar could be one presented at a national meeting, but it could also be a presentation at another institution, or a presentation at NDSU that is open to the public. A thesis defense that is open to the public, a departmental seminar that is open to the public or a poster, even if it is placed in the lobby of a university building, could all be public disclosures. Most federal grant applications remain confidential until they are awarded, but once the grant is awarded, it is indexed at the granting agency and the public can obtain the grant application through a freedom of information request. For state and private funding, when the document becomes public depends on the specific agency or industry/foundation source. Moreover, offering the invention for sale is a public disclosure. In summary, any public "disclosure" regardless of the size of the audience or the accessibility of the location can defeat patentability of an invention.

Next week: What the disclosure must contain to defeat patentability.

As with much patent law there is much nuance, so if you have any questions about a publication you are thinking of doing that may compromise patentability, please contact Henry Nowak, Technology Manager, in the Technology Transfer Office (1-8173 or henry.nowak@ndsu.edu). Henry is a registered patent attorney.

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