

**Sent:** Monday, April 25, 2016 2:33 PM  
**To:** NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU  
**Subject:** RCA Update - April 25 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**

- [Life Cycle of the Award Series – Award Management – Part 2](#)
- [Life Cycle of the Award Series – Compliance – Part 1 & 2](#)
- [Registration Closing Soon for NSF Day at NDSU – May 18, 2016](#)

**FUNDING OPPORTUNITY**

- [NIH Webpage Outlines Grant Funding Programs Offered](#)

**NOTICES**

- [Search for Collaborators and other NDSU Expertise](#)

**NEWS**

- [Research Development & Grant Writing News – April 2016 issue](#)
- [Q800 Dynamic Mechanical Analyzer in the Research Operations Recharge Center](#)

**OF INTEREST**

- [Invention Disclosures – Criteria for Patenting](#)

**Life Cycle of the Award Series – Award Monitoring/Award Management – Part 2**

*April 28, 2016 | 1:00 p.m. – 3:00 p.m. | Research 1, Room 148/154*

From the [NCURA](#) website: The second part of the Award Monitoring/Award Management webinar focuses on award management strategies and techniques for both the central and departmental research administrator tasked with financial oversight of sponsored awards. This workshop will focus on what to look for during award initiation and award

close out, as well as discuss strategies for how the research administrator can best support the PI during the period of performance to maximize award spending, while effectively managing risk. Furthermore, this online workshop will review some perennial hot topics such as cost transfers, subaward monitoring, cost sharing and effective and efficient award close outs.

## **Life Cycle of the Award Series – Compliance – Part 1 & 2**

*May 10 & 16, 2016 | 1:00 p.m. – 3:00 p.m. | Research 1, Room 148/154*

From the [NCURA](#) website: The final offering of the Life Cycle of the Award Series is in two parts on May 10th and May 16th. The webinars feature discussion of a variety of compliance topics essential to the knowledge of every research administrator. This three-hour workshop will cover the basics of institutional committee review for biosafety, human research participants, and animal research, as well as export compliance, conflict of interest, and research misconduct. True-life examples will highlight the importance of knowing where to find expertise and resources at your institution and beyond, creating a “compliance network”.

If you are interested in information from any of the webinars in this training series, the Life Cycle of Awards videos and training materials are available through Moodle Learning Systems

<https://community.ndus.edu/login/index.php>. When signing in, please use your NDUS username and password. If you have questions, please contact SPA (1-8045 or [ndsu.research@ndsu.edu](mailto:ndsu.research@ndsu.edu)). For more information on this series, click [here](#).

## **Registration Closing Soon for NSF Day at NDSU – May 18, 2016**

The National Science Foundation (NSF) and North Dakota State University are pleased to invite you to participate in our upcoming NSF Day to be held on Wednesday, May 18, 2016, on the North Dakota State University campus in Fargo. A [draft agenda](#) is available on the [NDSU Research Development website](#).

*Registration will close May 6, 2016 – [REGISTER NOW](#).*

The following NSF representatives and program officers will be on-site to present their respective directorates and host breakout sessions:

### **Biological Sciences:**

Alan Wilson, [DEB](#)

### **Office of Integrative Activities:**

Dragana Brzackovic, [IA](#)

### **Computer & Information Science & Engineering:**

Kamau Bobb, [CNS](#)

### **Office of International Science & Engineering:**

Franklin Carrero-Martinez

### **Education & Human Resources:**

Jodi Chase, [HRD](#) | David Haury, [DRL](#)

### **Math & the Physical Sciences:**

Nandini Kannan, [DMS](#)

### **Engineering:**

Don Millard, [EEC](#)

### **Social Behavioral Economic Sciences:**

Colleen Fitzgerald, [BCS](#)

### **Geosciences:**

Jennifer Wade, [EAR](#)

### **Budget, Finance & Award Management:**

Samantha Brewton Hunter, Policy

Contact [ndsu.researchdev@ndsu.edu](mailto:ndsu.researchdev@ndsu.edu) with any questions.

## **NIH Webpage Outlines Grant Funding Programs Offered**

National Institute of Health (NIH) provides the following webpage which outlines the grant funding programs offered and the associated requirements of each grant including budget

information: [http://grants.nih.gov/grants/funding/ac\\_search\\_results.htm](http://grants.nih.gov/grants/funding/ac_search_results.htm). For questions, please contact Cindy Elson (1-5259, [cindy.smelserelerson@ndsu.edu](mailto:cindy.smelserelerson@ndsu.edu)).

### Search for Collaborators and other NDSU Expertise

Have you checked out [Pivot Gallery](#) yet? You might even consider adding a link to it from your department website. Pivot Gallery provides the ability to do a simple search for NDSU expertise – primarily NDSU faculty expertise. Search results will show a list of NDSU profiles that meet search criteria. The profiles are based on [COS Pivot](#), drawn from [Scholar Universe](#), and although they are auto-updated from publicly available sources, individuals are encouraged to [log in to Pivot](#) to edit or add information to their own profile. If you do not know your login for access to edit your Pivot profile, email [Kay Sizer](#) in the Research Development office.

### Research Development & Grant Writing News – April 2016 issue

Be sure to log in with your NDSU network login to access the [April issue](#) of RDGWN, which covers articles such as “How Readers Read Your Proposal,” “Organizing the Proposal Narrative,” “Helping Your Junior Faculty: Successful Models,” and “The Chronicle of Proposal Flaws,” as well as regular features, “Topics of Interest URLs,” “New Funding Opportunities,” “Agency Reports, Workshops, & Roadmaps,” and more.

Of particular interest in this issue is “Organizing the Proposal Narrative,” which emphasizes the importance of being strategic in laying out your proposal plan, noting that “your proposal narrative (aka project description) is a key factor in determining a proposal’s competitiveness in the review process.” It is especially important in cases where you are given latitude in how your proposal is presented. Tips are offered for how to make your proposal easier for reviewers to read and understand. This article ties in nicely with the previous one in this issue, “How Readers Read Your Proposal.”

### Q800 Dynamic Mechanical Analyzer in the Research Operations Recharge Center

The Q800 Dynamic Mechanical Analyzer (DMA) measures the viscoelastic properties using either transient tests or dynamic oscillatory tests, where a sinusoidal stress is applied to the material and a resultant sinusoidal strain is measured. Also measured is the phase difference of these waves. The stress/strain and phase difference allow for the calculation of storage modulus, loss modulus, and  $\tan \delta$ . From these measurements the crosslink density, glass transition temperature ( $T_g$ ), stress relaxation and toughness can be determined for your material. Tools such as these 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, [aaron.reinholz@ndsu.edu](mailto:aaron.reinholz@ndsu.edu)) or visit the Research Operations website at:

[https://www.ndsu.edu/research/research\\_operations/](https://www.ndsu.edu/research/research_operations/).



### Invention Disclosures – Criteria for Patenting

The Technology Transfer Office (TTO) is often asked about the number of invention disclosures that are patented. Approximately 50 percent of all disclosures will have a provisional patent application filed (a provisional patent application is a cheap and quick way to get a placeholder for a full utility or PCT patent application). The reasons

for not filing the provisional may include: 1) some experiments during the year did not yield the expected results, 2) the TTO will find some prior art that makes getting an issued patent unlikely, or the subject matter itself may not be patentable, 3) market research and potential licensee discussions suggest there is insufficient business interest in the present state of the potentially patentable subject matter to license to an established company, and/or 4) there is no interest by the inventor or other entrepreneurs to make a start-up company likely. The patenting decision assumes the TTO has sufficient time to conduct a full analysis from when the invention disclosure is submitted and when a public disclosure may be made of the invention.

Within a year of any provisional application filing, a full utility or PCT patent application must be filed. This is a much more serious and expensive proposition. Therefore, not all provisional patent applications are “converted” to a full utility patent application. The same criteria are used to decide whether to file a full utility or PCT patent application as for a provisional patent application above. Even if a full utility patent application is filed, eighteen months after the PCT patent application is filed, the TTO will have to make a decision on whether to file outside of the United States. This decision is usually based on whether a potential licensee has been engaged in at least preliminary negotiations.

Summing up, for any 100 invention disclosures, about 50 may be filed as a provisional application, less than 40 will be filed as full utility or PCT applications, and less than 25 PCT applications will be filed outside the United States.

If you have questions related to invention disclosures and patenting, please contact Henry Nowak (1-8173, [henry.nowak@ndsu.edu](mailto:henry.nowak@ndsu.edu)) in the Technology Transfer Office.

*You are receiving this notification through the NDSU official staff or faculty 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.*

---