

Sent: Tuesday, January 16, 2018 2:46 PM
To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - January 16, 2018 Edition



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](#).

FUNDING OPPORTUNITIES

- [Advanced Research Projects Agency – Energy \(ARPA-E\) OPEN 2018 Funding Opportunity](#)
- [Morris Animal Foundation – Small Animal Studies](#)
- [Defense Enterprise Science Initiative \(DESI\)](#)

NOTICES

- [ITAR Defines Export/Deemed Export](#)
- [UPDATE: Potential Delay in Revised Common Rule Implementation](#)
- [Unmanned Aircraft Procedures Update](#)
- [NDSU-CCAST Joins Two National Distributed Computing Groups](#)

EVENTS

- [Proposal and Award Management Session #10](#)
- [Webcast: U.S. Air Force Science and Technology Engagement Summit](#)

Advanced Research Projects Agency – Energy (ARPA-E) OPEN 2018 Funding Opportunity

The [Advanced Research Projects Agency-Energy \(ARPA-E\)](#) at the U.S. Department of Energy funds high-potential, high-impact energy technologies that are too early for private-sector investment. ARPA-E awardees are unique because they are developing entirely new ways to generate, store, and use energy. ARPA-E projects have the potential to radically improve U.S. economic prosperity, national security, and environmental wellbeing.

Approximately every three years, ARPA-E issues OPEN Funding Opportunity Announcements (FOAs) as a means to address the full range of energy-related technologies and fund those potentially disruptive technology concepts not currently supported through an ARPA-E focused FOA.

A broad variety of projects will be welcomed, and examples include electricity generation by both renewable and non-renewable means; electricity transmission, storage, and distribution; energy efficiency for buildings, manufacturing and commerce, and personal use; and all aspects of transportation, including the production and distribution of both renewable and non-renewable fuels, electrification, and transportation energy efficiency.

Applicants must address the potential impact of the proposed technology on the agency's Mission Areas:

- Reducing imported energy
- Reducing energy-related emissions
- Improving energy efficiency

Cost share is required; see the [funding opportunity announcement](#) for details.

Concept Papers are due February 12, 2018, by 4 p.m. For more information, visit the [OPEN 2018 website](#), download the [funding opportunity announcement](#), or read this [program summary](#) with concept paper guidelines.



Morris Animal Foundation – Small Animal Studies

Proposals to the [Morris Animal Foundation](#) for **Established Investigator, First Award, Fellowship Training and Pilot Study** grants on topics relevant to small companion animal health and welfare are due on Wednesday, March 14, 2018. *All proposals relevant to the mission of the Foundation will be given equal consideration for funding.* However, this year, they are particularly interested in inviting proposals that address the following topics:

1. Prevention, treatment and diagnosis of heartworm disease
2. Genetics and epigenetics of health and disease
3. Gut health and the association of microbiome with health outcomes

Funding decisions will be made in mid-July 2018 with grant awards starting as early as August 1, 2018.



Defense Enterprise Science Initiative (DESI)

The DoD is piloting a new program, the [Defense Enterprise Science Initiative \(DESI\)](#). Its purpose is to support use-inspired basic research performed by university-industry teams. The recommended topics include:

1. Power Beaming
2. Highly-maneuverable autonomous UAV
3. Soft Active Composites with Intrinsic Sensing, Actuation, and Control
4. Metamaterial-based Antennas
5. Alternate topics are also encouraged

Must more detail on the topics is included in the [BAA](#). Teams must include at least one university member and at least one industry member.

Early-career university researchers and current recipients of young investigator programs across the federal agencies are strongly encouraged to seek industry partners for this program.

The deadline for proposals is February 28, 2018.



ITAR Defines Export/Deemed Export

The International Traffic in Arms Regulation (ITAR) defines “Export/Deemed Export” as follows:

- (1) An actual shipment or transmission out of the United States, including the sending or taking of a defense article out of the United States in any manner;
- (2) Releasing or otherwise transferring technical data to a foreign person in the United States (a “deemed export”).

See the [Export Control Manual](#) or contact ndsu.exportcontrols@ndsu.edu for more details.



UPDATE: Potential Delay in Revised Common Rule Implementation

New standard operating procedures, protocol applications, forms, and templates have been drafted to comply with the revised [Common Rule](#) currently scheduled to take effect January 19, 2018. These forms can be found on the IRB website [Forms page](#). While the Office of Information and Regulatory Affairs (OIRA) is still considering a delay in implementation, NDSU is prepared to comply with the revised rule should it go into effect as planned. We will continue to monitor and provide updates as they become available.



Unmanned Aircraft Procedures Update

An updated set of [procedures](#) has been published for use of unmanned aircraft in research and for any other purposes at NDSU. These procedures are the result of work by the UAS Advisory Panel, the University Police and Safety Office, and Facilities Management to provide a process that must be followed for both outdoor and indoor flights. The procedures are to help ensure compliance with regulatory obligations and NDSU [Policy 723](#) Use of Unmanned Aircraft Systems. Please contact Aaron Reinholz if you have any questions. (call 231-5338 or email aaron.reinholz@ndsu.edu).



NDSU-CCAST Joins Two National Distributed Computing Groups

The NDSU Center for Computationally Assisted Science and Technology (CCAST) has joined national distributed computing groups OSG (Open Science Grid) and XSEDE (Extreme Science and Engineering Discovery Environment). Read the [full story](#) online.



Proposal and Award Management Session #10

The next session in the Proposal and Award Management series will be held on **Thursday, January 18 from 11:00 – 11:45 a.m. in EML, Room 170 – *please note location change***. The topic area for this meeting is Electronic Research Administration and Compliance (ERAC). NDSU is working with Novelution Corp. on a software solution for electronic research administration and compliance (ERAC) which will permit faculty and researchers to build their proposals in the system and electronically route proposals for necessary approvals/signatures.

These sessions are being offered monthly by Sponsored Programs Administration (SPA) and Grant & Contract Accounting (GCA). These sessions will provide information and training on topics that are relevant to various aspects of proposal submission and award management. Anyone that participates in any way or has an interest in proposal or budget development, routing and submission of proposals, processing or approving expenditures on awards (allowable costs, payroll, equipment, materials, etc.), overall award management, award compliance, locating funding opportunities, or electronic research administration is encouraged to attend. These sessions are open to all faculty, researchers, and staff. Materials from the sessions are available on the [Sponsored Programs Training](#) website.

Room 170 in EML is enabled with videoconferencing (IVN), so if you need to participate via IVN, please contact Faye Klein in SPA (call 231-8045 or email faye.klein@ndsu.edu.) IVN participants will need to reserve their site and let Faye know so that SPA can set up for each requesting site. SPA will need the room name and the IP address no later than 10:00 a.m. the day prior to the session. Participants who cannot attend in person or via IVN may be able to connect in two other ways:

1. directly from their laptop or desktop computer using a specific software application, or
2. via an audio connection that can be added to the IVN event.

Participants via personal computer or audio-only will want to contact Faye as soon as possible to ensure adequate time for connections, configuration, and testing.

Note: Although Sessions are scheduled to be completed within 45 minutes, SPA and GCA representatives will be available for at least 15 minutes after each Session in order to answer any additional questions that participants may have.



Webcast: U.S. Air Force Science and Technology Engagement Summit

The National Academies of Sciences, Engineering, and Medicine is offering an opportunity to join the Air Force Science and Technology Engagement Summit via webcast on **January 18, 2018, at 11:30 a.m. CT**. This event will highlight remarks from Secretary of the U.S. Air Force Heather Wilson on the need to rethink how the Air Force

manages groundbreaking research, including ideas for how to advance knowledge by partnering with states and universities. Talks will take place from 11:30 a.m. - 2:30 p.m. If interested, please [register](#) to attend the webcast.



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