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To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - October 9, 2017 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](#).

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NIH Issues Notice Concerning Hurricane Response Research

NIH has issued a notice concerning the use of "Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences (R21)" for hurricane response research ([RFA-ES-16-005](#)). The purpose of the Notice is to highlight the National Institute of Environmental Health Sciences' (NIEHS) interest in accepting time-sensitive research applications related to exposures and health outcomes as a consequence of the recent hurricanes of 2017. NIEHS considers Hurricanes Harvey, Irma and Maria to be unpredictable events that provide a limited window of opportunity to collect human biological samples or environmental exposure data. The potential for contamination of environments where people live, work and play is considerable. Consequently, the potential for exposures to biological (such as mold, biotoxins from harmful algal blooms) and chemical hazards, as well as social stressors (e.g., displacement, social isolation, racial/ethnic and cultural factors) and subsequent effects on human health for first responders, volunteer workers and residents is of significant concern. Therefore, the Notice highlights NIEHS' interest in applications to RFA-

ES-16-005 that focus on questions of public health importance that will provide insights into exposures and/or potential health effects (physical/behavioral) as an aftermath of Hurricanes Harvey, Irma and Maria.

Time-sensitive applications will only be accepted on the following receipt dates: November 1, 2017 and December 1, 2017.



Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)

The fields of science, technology, engineering, and mathematics (STEM) hold much promise as sectors of the economy where we can expect to see continuous vigorous growth in the coming decades. STEM job creation is expected to outpace non-STEM job creation significantly, according to the Commerce Department, reflecting the importance of STEM knowledge to the US economy. The [IUSE: EHR program](#) is a core NSF undergraduate STEM education program that seeks to improve the effectiveness of undergraduate STEM education for both majors and non-majors. In pursuit of this goal, IUSE: EHR supports projects that have the potential to improve student learning in STEM through development of new curricular materials and methods of instruction, and development of new assessment tools to measure student learning. In addition to innovative work at the frontier of STEM education, this program also encourages replications of research studies at different types of institutions and with different student bodies to produce deeper knowledge about the effectiveness and transferability of findings.

Application deadline varies depending on category: December 12, 2017, for the Development and Implementation Tier for Engaged Student Learning & Institution and Community Transformation; applications accepted anytime for the Exploration and Design Tier for Engaged Student Learning & Institution and Community Transformation.



NSF Leading Engineering for America's Prosperity, Health, and Infrastructure (LEAP HI)

The [LEAP HI program](#) challenges the engineering research community to take a leadership role in addressing demanding, urgent and consequential challenges for advancing America's prosperity, health and infrastructure. LEAP HI proposals confront engineering problems that are too complex to yield to the efforts of a single investigator — problems that require sustained and coordinated effort from interdisciplinary research teams, with goals that are not achievable through a series of smaller, short-term projects. LEAP HI projects perform fundamental research that may lead to disruptive technologies and methods, lay the foundation for new and strengthened industries, enable notable improvements in quality of life, or re-imagine and revitalize the built environment. LEAP HI supports fundamental research projects involving collaborating investigators, of duration up to five years, with total budget between \$1 million and \$2 million.

Letter of Intent due December 15, 2017; Final proposals due Feb. 5-20, 2018. (There will be another cycle later in 2018.)



USDA Specialty Crop Research Initiative

The purpose of the [Specialty Crop Research Initiative](#) program is to address the critical needs of the specialty crop industry by awarding grants to support research and extension that address key challenges of national, regional, and multi-state importance in sustaining all components of food and agriculture, including conventional and organic food production systems. Specialty crops are defined in law as fruits and vegetables, tree nuts, dried fruits, and horticulture and nursery crops, including floriculture. Projects must address at least one of five focus areas and must take a broad systems approach to specialty crop industry challenges.

Application deadline: December 8, 2017



Limited Submission Program: NIH NIGMS Collaborative Program Grant for Multidisciplinary Teams (RM1)

[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.

[NIH NIGMS Collaborative Program Grant for Multidisciplinary Teams \(RM1\): Notify RCA by 10/16/2017, 5:00 p.m.](#)

The new Collaborative Program Grant for Multidisciplinary Teams is designed to support highly integrated research teams of three to six PD/PIs to address ambitious and challenging research questions that are important for the mission of NIGMS and are beyond the scope of one or two investigators. Collaborative program teams are expected to accomplish goals that require considerable synergy and managed team interactions. Project goals should not be achievable with a collection of individual efforts or projects. Teams are encouraged to consider far-reaching objectives that will produce major advances in their fields.

Application deadline: January 25, 2018. (The next proposal cycle will be for a May 25, 2018, deadline.)



Council on Undergraduate Research Posters on the Hill 2018

Applications can now be submitted for the 22nd annual Posters on the Hill event in Washington, DC, sponsored by the [Council on Undergraduate Research \(CUR\)](#). This competitive event gives students the opportunity to showcase their research to congressional members, meet with their representatives, and learn about advocacy for undergraduate research. Applications will be accepted until November 1, 2017.

The [NDSU EXPLORE](#) program will provide travel funding for up to two NDSU students and one faculty advisor who meet [eligibility requirements](#) and are selected to participate.

For more information on the event, including the registration link, visit the [Posters on the Hill 2018 website](#).



NDSU EXPLORE Showcase and Undergraduate Travel Award Opportunity

The 2017 NDSU EXPLORE Undergraduate Research Showcase will take place November 1, 2017, in the NDSU Memorial Union. Students presenting in the showcase can choose to be considered for an NDSU EXPLORE award. First place winners in each session at NDSU EXPLORE will receive a travel award to attend an advisor-approved conference to present their research.



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, or find [NDSU EXPLORE on Facebook](#).



Use your NDSU Network Login to Access Pivot

The next time you decide to log in to your [Pivot](#) account, notice that as you click on 'Log in' in the upper right hand corner, you will see an option called 'Access via My Institution Login.' By clicking into that link and following the prompts to set it up the first time, you will thereafter be able to use your NDSU network login for Pivot access rather than keeping separate login information for Pivot. One less password to remember!



Visiting the Congressional Delegation

Interactions between NDSU and the North Dakota Congressional Delegation need to be tracked and reported annually. If you are planning a trip to Washington D.C. and would like to meet with our Congressional Delegation or a member of their staff related to NDSU business, please fill out the [interactive form](#).

If requested, our liaisons in Washington will assist in setting up meetings with the Delegation.

This form is for requesting or reporting meetings with the Congressional Delegation on matters related to NDSU business and is not required for any meetings with the Congressional Delegation on matters of personal business.



Institutional Core Labs Hosting Open House

An open house is being held by two NDSU institutional core labs on **Wednesday, October 11, 2017**, from 1:00 – 4:00 p.m. You are invited to visit the labs to learn more about the capabilities that are available for research and education.

The **[Electron Microscopy \(EM\) Center](#)** is located in the USDA Northern Crop Science Laboratory. The EM Center is equipped with two transmission electron microscopes, two scanning electron microscopes, micro-computed tomography (microCT), and an array of sample-preparation equipment and supplies, as well as a variety of light microscopes and secure image storage and sharing.

The **[Research Operations Core Lab](#)** facilities are located in the Research 1 Addition and Research 2 buildings. Focus areas include: materials synthesis and processing, materials characterization, microfabrication, device packaging and testing, and reliability/failure analysis.

Staff will be on-hand to provide tours and answer questions. Refreshments will be served. For more information please contact Aaron Reinholz at 231-5338 or aaron.reinholz@ndsu.edu.



Forums on Research and Creative 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:

- Oct. 17, 2017 | 11:00 a.m. – 12:00 p.m. | Engineering Admin Building 106
- Nov. 15, 2017 | 11:00 a.m. – 12:00 p.m. | Barry Hall Eide Bailly Conference Room
- Dec. 7, 2017 | 1:00 p.m. – 2:00 p.m. | Minard Hall 302



Gear up for Grants Seminar: Finding Federal Funding – The Budget Factor

David B. Lee will provide an overview of the federal budget and how that impacts federal research and development funding. For more than fifteen years, Mr. Lee has been an advocate for NDSU in Washington, DC, and has served as the institution's registered lobbyist.

Jolynne Tschetter from the NDSU Office of Research and Creative Activity will provide information on the federal programmatic request process. NDSU may submit a limited number of requests for consideration by the North Dakota Congressional Delegation as part of the annual appropriations cycle. This session will involve discussion of this opportunity and NDSU's submission process.

Gear up for Grants: Finding Federal Funding – The Budget Factor

Tuesday, October 17, 2017 | 3:00 p.m. – 4:30 p.m. | Memorial Union, Hidatsa Room

[Register for this workshop>>](#)



Proposal and Award Management Session #7

The next session in the Proposal and Award Management series will be held on **Thursday, October 19, from 11:00 – 11:45 a.m. in the Quentin Burdick Building (QBB), room 422**. The topic area for this meeting is Research

Development Services and Tools. This session will cover resources available for finding funding opportunities and assisting with the development of grant proposals.

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.

The QBB room is enabled with videoconferencing (IVN), so if you need to participate via IVN, please contact Faye Klein in SPA (231-8045 or 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.



Gear up for Grants: Grant Writing Workshops

Lucy Deckard, a consultant with [Academic Research Funding Strategies, LLC](#), will present a series of grant writing workshops in November:

Gear up for Grants: Pursuing Funding for Large Team and Center Grants

Monday, November 20, 2017 | 8:30 a.m. – 12:30 p.m. | Memorial Union, Badlands Room

This workshop is interactive and geared toward mid-career and senior faculty who are ready or considering applying for large team or center grants within the next few years.

Workshop spots are limited. [Register for this workshop >>](#)

Gear up for Grants: How to Write Successful Grants for Instrumentation

Tuesday, November 21, 2017 | 8:00 a.m. – 10:00 a.m. | Memorial Union, Room of Nations

This session discusses grants that fund instrumentation and equipment and how to develop a successful proposal for these types of grants.

[Register for this workshop >>](#)

Gear up for Grants: Pursuing Funding in the Humanities and Social Sciences

Tuesday, November 21, 2017 | 10:30 a.m. – 12:30 p.m. | Memorial Union, Room of Nations

This session discusses the types of funding available to support research in the humanities and humanities-related social sciences and how to be competitive when applying for these opportunities.

[Register for this workshop >>](#)



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