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
- Undergraduate Research Opportunities
- NSF Research Experiences for Undergraduates (REU) Sites and Supplements
- Limited Submission Program: NIH Science Education Partnership Award (SEPA)
- Limited Submission Program: USDA-AFRI Education and Literacy Initiative (ELI)

NEWS & NOTICES
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- Discovery-Based Research in the Undergraduate Curriculum

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- WEBINAR: Building an Exceptional Animal Care and Use Program Through Engaged Leaders and Continuous Improvement
- TEDxFargo Open Call
- Research Integrity and Compliance Spring Fling Appreciation Social

Undergraduate Research Opportunities
In celebration of Undergraduate Research Week at NDSU - April 16-20 - the Office of Research and Creative Activity calls your attention to the following related funding programs and opportunities: Interested in exploring undergraduate research opportunities either at NDSU or elsewhere? The Council on Undergraduate Research has a webpage devoted to Student Research Opportunities. Another website lists STEM opportunities for undergraduate students to search for federal research and education appointments. The National Science Foundation funds a large number of research opportunities for undergrad students through its REU Sites Program. The National Institutes of Health, through its Office of Intramural Training & Education, offers a Summer Internship Program in Biomedical Research (SIP) where interns spend a summer working side-by-side with some of the leading scientists in the world. See the NDSU EXPLORE webpage for even more information and other undergrad research opportunities.
**NSF – Research Experiences for Undergraduates (REU) Sites and Supplements**

The National Science Foundation (NSF) Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research:

1. **REU Sites** are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department or may offer interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome.

2. **REU Supplements** may be included as a component of proposals for new or renewal NSF grants or cooperative agreements or may be requested for ongoing NSF-funded research projects. Undergraduate student participants in either REU Sites or REU Supplements must be U.S. citizens, U.S. nationals, or permanent residents of the United States. Students do not apply to NSF to participate in REU activities; students apply directly to REU Sites or to NSF-funded investigators who receive REU Supplements.

*Application deadlines for Sites proposals: May 25, 2018 (for Antarctica proposals) and Aug. 22, 2018 (for all other disciplines)*

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**Limited Submission Program: NIH Science Education Partnership Award (SEPA)**

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 Science Education Partnership Award (SEPA): Notify RCA by 4/27/2018, 5 p.m.**

The NIH Science Education Partnership Award (SEPA) supports research education activities in the mission areas of the NIH. The over-arching goal of this National Institute of General Medical Sciences (NIGMS) R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral, and clinical research needs. To this end, this funding opportunity announcement (FOA) encourages the development of innovative educational activities for pre-kindergarten to grade 12 (P-12), preservice and in-service teachers and students from underserved communities with a focus on Courses for Skills Development, Research Experiences (for undergraduates, high school teachers, or others), Mentoring Activities, Curriculum, or Methods Development and Outreach. *Application deadlines: July 9, 2018; July 9, 2019*

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**Limited Submission Program: USDA AFRI Education and Literacy Initiative (ELI)**

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.

**USDA AFRI Education and Literacy Initiative (ELI): Notification Deadline TBD pending release of RFP**

The USDA Agriculture and Food Research Initiative (AFRI) Food, Agriculture, Natural Resources, and Human Sciences Education and Literacy Initiative (ELI) focuses on the professional development of secondary school teachers and educational professionals as well as the training of undergraduate students and predoctoral and postdoctoral fellows. The goal of the AFRI ELI Program is to develop the next generation of research, education, and extension professionals in the food and agricultural sciences. Undergraduate fellowships may be provided for up to 2 years per student.

*A new grant cycle is expected to be announced any day, with an application deadline in late June.*

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**NDSU Students Present at National Undergraduate Research Conference**
Two NDSU undergraduate students and a recent graduate presented research at the National Conferences on Undergraduate Research at the University of Central Oklahoma April 4-7.

From the NDSU Department of Anthropology and Sociology, alumna Alexandra Howatt, BA ’17, anthropology, and Isabel Krum, a senior majoring in anthropology, presented “Healthy Women are Beautiful Women: Health and Beauty Standards at the Crystal Palace.” Their advisor is Kristen Fellows, assistant professor of sociology and anthropology.

Electrical and computer engineering senior Nathan Johnson presented "Manipulation of Biological Matter Using Electrodeless Dielectrophoresis." His advisor is Dharmakeerthi Nawarathna, assistant professor of electrical and computer engineering.

Established in 1987, the annual conference is dedicated to promoting undergraduate research, scholarship and creative activity in all fields of study. More than 4,000 students from across the U.S. presented their research through posters, oral presentations, visual arts and performances this year.

The NDSU students were poster and oral presentation awardees from the fourth annual NDSU EXPLORE event held on Nov. 1, 2017. The conference trip was sponsored by the NDSU Research and Creative Activity Office.

![Pictured, from left to right: Nathan Johnson, Isabel Krum, and Alexandra Howatt](image)

**Discovery-Based Research in the Undergraduate Curriculum**
For faculty members, the National Academies Press (NAP) released a report on Integrating Discovery-Based Research into the Undergraduate Curriculum. To access a free pdf download of the report, visit the [NAP website](http://example.com) and click on “Download Free PDF.”

**Undergraduate Research Week: Explore the Opportunities**
Mark your calendars to join us April 16-20, 2018, for a week of celebration and learning about undergraduate research and creative activity at NDSU. Sessions for faculty and students are planned:

- Resources for Research: How You Can Use the Library for a Chance to Win $250
• Undergraduate Research Student Panel
• Demystifying National Scholarship Opportunities
• Preparing to Apply to Graduate School
• Graduate Student Panel
• Communicating Science
• Applying for and Managing an NSF REU Program
• Mentoring Undergraduate Researchers

Encourage your students to attend these sessions! If you would like to incorporate them into your coursework, we will be able to provide attendance records from the events.

Other opportunities include:
• Visual Art Baccalaureate Exhibition at The Gallery in the Memorial Union
• Interactive Cooperative Question on the second floor of the Memorial Union
• Innovation Challenge Awards Ceremony
• Undergraduate Research Student Organization Informational Session

For more information and a complete schedule of events, visit the Research and Creative Activity website.

WEBINAR – Building an Exceptional Animal Care and Use Program Through Engaged Leaders and Continuous Improvement
The IACUC Office invites you to attend the upcoming PRIM&R (Public Responsibility in Medicine and Research) Webinar which will cover the important features of an effective animal care and use program, key elements to foster a culture of care, and how the 3 S’s (good science, good sense, and good sensibilities) complement the 3 R’s (reduction, replacement, and refinement). The Webinar will be hosted in Research 1, Room 148 on April 18 from 12:00-1:30 p.m. You are welcome to bring your lunch to this session.

TEDxFargo Open Call
Interested in speaking at TEDxFargo? An Open Call for speakers is scheduled for April 18, 2018, at 7:00 p.m. at the Prairie Den in Downtown Fargo. You’ll have 90 seconds to share your idea for a chance to present on the main stage at TEDxFargo. Fill out this form to get signed up.

Research Integrity and Compliance Spring Fling Appreciation Social
In appreciation for your contribution to NDSU Research, the Research Integrity and Compliance (RIC) team invites researchers and compliance committee members to attend the first annual Spring Fling Appreciation Social. Join us May 2 from 3:00-5:00 p.m. in Research 1, Room 148. Light refreshments will be served.

You are receiving this notification through the NDSU official employee listserv or sub-list. The official listserv refreshes after each pay period.

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