Welcome to the Research and Creative Activity Update!
The Office of Research and Creative Activity wants to make sure you are provided with up-to-date information pertaining to research and scholarly activities and opportunities. Thus, to share information quickly rather than through multiple emails, we will continue to provide 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](http://www.ndsu.edu/research/). 

EVENTS

- [Register Now for Upcoming Gear up for Grants Seminars](http://www.ndsu.edu/research/)
- [Forums on Research and Scholarly Activity](http://www.ndsu.edu/research/)

FUNDING OPPORTUNITIES

- [Notification Due Dates for Upcoming Limited Submission Programs](http://www.ndsu.edu/research/)

NEWS

- [NDSU EXPLORE 2016 Award Winners Announced](http://www.ndsu.edu/research/)

NOTICES

- [Research Tool Available for Color and Gloss Measurements](http://www.ndsu.edu/research/)

Register Now for Upcoming Gear up for Grants Seminars

Mark your calendars for these upcoming Gear up for Grants Seminars:

**Working with Industry**

*Tuesday, November 15, 2016 | 3-4:30pm | Memorial Union Hidatsa Room*

[Register Now!](http://www.ndsu.edu/research/)

**Research Results: Beyond Publishing – Intellectual Property, Licensing to Companies, Starting a Company**

*Wednesday, December 14, 2016 | 3-4:30pm | Memorial Union Hidatsa Room*

[Register Now!](http://www.ndsu.edu/research/)

For more information, visit the [Research and Creative Activity Calendar](http://www.ndsu.edu/research/).
Forums on Research and Scholarly 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:

- November 17, 2016 | 1:00pm-2:00pm | Memorial Union Badlands Room
- December 8, 2016 | 1:00pm-2:00pm | Memorial Union Badlands Room

Notification Due Dates for Upcoming Limited Submission Programs
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.

Notification emails are due to NDSU.ResearchDev@ndsu.edu for the following upcoming Limited Submission programs:

- NIH Research Education: Initiative for Maximizing Student Development (IMSD) Program (R25) – Notification due 11/21/2016. For more information on the program, read the program guidelines online (PAR-17-040)
- NSF EPSCoR Track 4 – EPSCor Research Fellows – Notification due 12/2/2016. For more information on the program, read the program guidelines online (NSF 17-509)
  Join EPSCOR Program Officers November 29 or November 30 at 2:00 p.m. EST for an informational webinar on EPSCor’s RII Track-4 program. WebEx login instructions can be found here.
- NIH Research Initiative for Scientific Enhancement (RISE) (R25) – Notification due 2/1/2017. For more information on the program, read the program guidelines online (PAR-16-361)

NDSU EXPLORE 2016 Award Winners Announced
The 2016 NDSU EXPLORE Undergraduate Excellence in Research and Scholarly Activity event was held on November 1 in the Memorial Union. This marked the third year of the undergraduate showcase, which included 105 students and 80 projects. All academic colleges were represented, with a variety of projects being presented.

The day started with a President’s Breakfast at which three NDSU undergraduates and their mentors shared their undergraduate research experiences with local community leaders. Oral and poster presentation sessions followed.

The award winners include:

Morning Oral Presentations

- **First Place**
  - Gabriel Michael Hideo Branco - Health, Nutrition and Exercise Science
  - *A Pursuit of Happiness in NCAA Division III Athletics*
  - Mentor: Bradford Strand
- **Second Place**
Amber Winter – Hospitality and Tourism Management
Investigation on the Determinants of Travelers’ Intention to Visit a Destination and Destination Brand Loyalty
Mentor: Kwangsoo Park

• **Third Place**
  Rio Bergh - English
  *Pain Visible and Invisible: Empathy’s Impact on the Soldier’s Experience in Tim O’Brien’s “The Things They Carried”*
  Mentor: Anastassiya Andrianova

**Morning Poster Presentations**

• **First Place**
  Heather Yelle – Civil and Environmental Engineering
  *Iron Cross-linked Alginate Beads for Removing Phosphate from Wastewater and Storm Runoff and Their Reuse*
  Mentor: Achintya Bezbaruah

• **Second Place**
  Lacey Dickerman – Biological Sciences
  *Melatonin and Receptor Signaling: Investigating Roles in Chicken Embryo Development*
  Mentor: Wendy Reed

• **Third Place (Tie)**
  Thomas Blommel – Physics
  *Lattice Gas Model with Monte Carlo Collision Operator*
  Mentor: Alexander Wagner

  Matthew Henry and Molly Hess - Communication
  *Super Bowl Ads: A Longitudinal Analysis of Gender Portrayals*
  Mentor: Charles Okigbo

**Afternoon Oral Presentations**

• **First Place**
  Leanne Oakes and Abigail Ford – Health, Nutrition, and Exercise Sciences
  *Measurements of Acromiohumeral Distance with the Application of Kinesio® Tape at 30, 60, 90, and 120 Degrees of Glenohumeral Abduction*
  Mentor: Katie Lyman

• **Second Place**
  Olivia Vaadeland, Olivia Vogt, and Mara Zinda - Communication
  *The International Journal of Strategic Communication: Uncovering Its Contents*
  Mentor: Charles Okigbo

• **Third Place**
  Samantha Hamernick - English
  *Home Language Literacy and Refugee Resettlement: A Case Study*
  Mentor: Lisa Arnold

**Afternoon Poster Presentations**

• **First Place**
  Jenna Murphy – English (collaboration with Geosciences)
  *Benefits of Integrated Writing Across the Disciplines Pedagogy in a Mid-Level Geomorphology Course*
  Mentor: Kenneth Lepper

• **Second Place**
  Benjamin Huber – Microbiological Sciences
Vasoactive Intestinal Peptide Receptor Deficiency Elevates the Frequency of Antibiotic-Producing Bacteria Found in Mouse Feces
Mentor: Glenn Dorsam

• **Third Place**
Sierra Walker – Chemistry and Biochemistry
Vision in Tabanidae
Mentor: Anna Sheppard

First place awardees will have the opportunity to participate in the **2017 National Conference on Undergraduate Research** being held at the University of Memphis. This annual conference, attended by over 4,000 undergraduates, is dedicated to promoting undergraduate research, scholarship, and creative activity in all fields of study.

For more information about NDSU EXPLORE, visit the **NDSU EXPLORE webpage**, or find event pictures and other information on Facebook.

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**Research Tool Available for Color and Gloss Measurements**

An automated system for measuring color and gloss has been developed at NDSU. This system is compatible with flat substrates and paint samples. The on-board computer uploads the data to a central database for easy access through a web-based browser. Color measurements are made with an X-rite integrating sphere spectrophotometer while gloss measurements are made with a BYK-Gardner gloss meter reading at 3 different angles. This system is particularly useful for studying the long term effects of weathering or corrosion on paint samples since the readings are taken at precisely the same spot from day to day and month to month. For more information on how these tools can help with your research, contact Aaron Reinholz (1-5338 *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/).

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

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