

NDSU INBRE MONTHLY UPDATE

Year 2/ April 2016



APRIL HIGHLIGHTS

SURP PROGRAM

TRIBAL AIR QUALITY STUDY

EXPANDING YOUR HORIZONS WORKSHOP

ND TRIBAL COLLEGE RESEARCH SYMPOSIUM

CIRE ARTICLE

SUMMER UNDERGRADUATE RESEARCH PROGRAM

The application for the Summer Undergraduate Research Program 2016 will close on May 2nd, indicating that the SURP program will be underway soon! The INBRE team is very excited for the program to take place next month, with orientation starting May 15th. The program will run for 14 days – there are several great activities planned for the program.

Students will have the opportunity to tour Concordia College, Moorhead State University Moorhead (MSUM), North Dakota State University (NDSU), and learn about the Tri-College opportunity for education in the Fargo-Moorhead area. They will tour a variety of NDSU research labs and learn research methodologies. Program sessions will be held on the NDSU campus and at Concordia College. Stay tuned for updates after the program concludes next month.

TRIBAL AIR QUALITY STUDY

The students at Nueta-Hidatsa-Sahnish College (NHSC) are eagerly awaiting the arrival of spring to sample more particulate matter in Fort Berthold. This season, the group will experiment with new locations for collecting samples. NHSC continues working with NDSU researchers to analyze and interpret the samples obtained last fall.

EXPANDING YOUR HORIZONS WORKSHOP

On April 8th, INBRE hosted a session at the 37th annual Expanding Your Horizons (EYH) Conference. EYH is an event that provides middle and high school girls with STEM activities led by female STEM role models. Jamie Holding Eagle (MHA Nation) first spoke to the students about her project titled, “Medicine Seed: Community Health through Foods, Seeds, and Culture”. The students were able to construct their own seed packet from origami paper and took corn, bean, and squash seeds home to start a garden of their own! Petra Reyna One Hawk (Standing Rock) shared information about her Buffalo Stew project. The students were able to learn more about Meals Ready-to-Eat (MRE) and how Petra started her own business. These presentations were followed by a question-and-answer session with some of NDSU’s current Master of Public Health students. The girls were very excited to learn more about STEM careers and public health!



INBRE Expanding Your Horizons Session – Photo Courtesy Jamie Holding Eagle

NORTH DAKOTA TRIBAL COLLEGE RESEARCH SYMPOSIUM

The INBRE team travelled to the 4th Annual North Dakota Tribal College Research Symposium in Fort Totten, ND. Participants from Cankdeska Cikana Community College, Turtle Mountain Community College, Sitting Bull College, the University of North Dakota, and North Dakota State University were in attendance. This was a great opportunity to connect with students and staff from tribal colleges. The presentations and poster session showcased undergraduate research programs in ND tribal colleges such as Dr. Lyle Best and genetic research at Turtle Mountain and Dr. Mafany Mongoh and bison herd research at Sitting Bull College. The INBRE team presented a poster with the survey results of SURP 2015. It was a great opportunity to get feedback on ways that SURP can be enhanced.

NDSU CENTER FOR IMMUNIZATION RESEARCH ARTICLE

Dr. Paul Carson, a member of the NDSU INBRE faculty, was featured in an article published by the Grand Forks Herald. The article titled, "People should be very concerned' falling vaccination rates across ND put children at risk", notes that vaccination rates across the state have severely declined, which puts young children at risk for contracting illnesses that are vaccine preventable. Dr. Carson is also the principal investigator of the NDSU Center for Immunization Research and Education, which analyzes vaccination rates and ways to promote vaccinating children. Take a look at the link to read the article: <http://goo.gl/koAyVf>

NDSU NORTH DAKOTA STATE UNIVERSITY

If you would like to submit an opportunity, story for **student spotlight**, or have suggestions on what to include in the next monthly update, please contact us!

WE VALUE YOUR INPUT!

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STUDENT OPPORTUNITIES

Bee-INSPIRED INTeGrating Service Projects into Research and Design

- Conduct research related to honey bees on the Georgia Tech campus
- Attend workshops on graduate school and STEM careers
- May 22-July 29
- Deadline: 4/1
- More information at: www.bees.gatech.edu/beeinspired

Higher Education Research Experiences (HERE) Program

- Participate in hands-on research and technical internships with award-winning scientists
- Deadline: NONE
- More information at: <http://www.ora.org/ornl/hereatornl>

National Native American Youth Initiative

- Available to high school students
- July 1-10, 2016 in Washington, D.C.
- Deadline: May 13, 2016
- More information at: <https://www.aaip.org/>

DOE Office of Science Graduate Student Research (SCGSR) Program

- Provides supplemental awards for PhD students
- Deadline: May 11, 2016
- More information at: <http://science.energy.gov/wdts/scgsr/>

National Health Service Corps (NHSC) Scholarships

- For students enrolled or accepted at accredited health professions training programs in a primary care discipline
- Deadline: April 28, 2016
- More information at: <http://nhsc.hrsa.gov/scholarships/>

Scholarships for Disadvantaged Students (SDS) Participating Schools

- Provide scholarships based on need
- More information at: <http://www.hrsa.gov/loanscholarships/scholarships/disadvantaged.html>

NDSU STEM High School Boot Camp

- July 11-July 14, 2016
- For students grades 9-12
- More information at: https://www.ndsu.edu/coe/k_12_outreach/stem_summer_offerings/