

# NDSU INBRE MONTHLY UPDATE

Year 2/ January 2016



## JANUARY HIGHLIGHTS

SURP APPLICATION AVAILABLE

TRAINING MODULE  
DEVELOPMENT

TRIBAL AIR QUALITY STUDY

EXPANDING YOUR HORIZONS

STUDENT SPOTLIGHT

### **SURP APPLICATION LAUNCHED**

The INBRE team launched the online Summer Undergraduate Research Program (SURP) 2016 application earlier this month. Students are encouraged to apply as soon as possible. Program dates are May 15-28, 2016. Students must be 18 years of age at the start of the program to apply. Deadline to apply is March 31<sup>st</sup>, however, the application will be available online until the program is filled.

The program will be hosted at NDSU's campus, but students will have the opportunity to be housed and have meals at Concordia College for the duration of the program. We have several great speakers and workshops planned to expand students' knowledge of research topics and methods. Please recommend our program to students who are over the age of 18 and might be interested!

Application link:

<https://docs.google.com/a/ndsu.edu/forms/d/1N-s-sKRTMxVjz6zXL5PFDKPF-m1htAzWYuODRmaGlTU/viewform>

### **TRAINING MODULE DEVELOPMENT**

The INBRE team has worked on further development of the pilot round of the training modules to be implemented in some of the tribal colleges throughout this semester. The INBRE team plans to gather feedback from the tribal college faculty and students to create future modules of interest that would be implemented into their course curriculum.

The INBRE staff were introduced to Dr. Neil Dyer, who currently works at NDSU in the Veterinary Diagnostic Laboratory. Dr. Dyer has a strong passion for Animal Science and wants to extend his knowledge to tribal colleges. Dr. Dyer plans to create a training module which will feature animal case studies involving veterinary methods. This will be piloted in addition to our current modules and will help to increase student interest in the field of veterinary science.

Another announcement is the addition of a new Faculty to the INBRE team, Siobhan Wescott, MD/MPH (Athabaskan) who will be developing a module on chronic disease prevention. Siobhan has a vast array of experience in research and working on health disparities. Welcome Siobhan!

## AIR QUALITY STUDY

The students from the Tribal Air Quality study have been working with Dr. Kerry Hartman and Dr. Bernhardt Saini-Eidukat to learn more about the Scanning Electron Microscope (SEM). The SEM procedure involves chemistry-intensive testing measures that will assist the students with analysis of their particulate matter samples. Students will continue to analyze their samples over the course of the semester with the goal of presenting at AIHEC 2016.

## EXPANDING YOUR HORIZONS

On April 9<sup>th</sup>, NDSU INBRE and the American Indian Public Health Resource Center (AIPHRC) will be teaming up to host an indigenous STEM and Public Health workshop for the Expanding Your Horizons program. This program targets 7-9<sup>th</sup> grade girls to engage them in science, technology, engineering, and mathematics (STEM). It's a national program that runs a 1-2 day conference every year to engage teen girls in STEM.

Each year, NDSU and MSUM co-host this program to encourage local Fargo-Moorhead teen girls to consider STEM and related professions as career opportunities. This year marks the 37<sup>th</sup> Annual Expanding Your Horizons event taking place in the Fargo-Moorhead area. For more information on the Expanding Your Horizons program go to the following website: <http://www.eyhn.org/>

## STUDENT SPOTLIGHT – FLORENCE LADUCER-GARRETT

Florence (Flo) Laducer-Garrett is a junior at Nueta-Hidatsa-Sahnish College (NHSC) majoring in Environmental Science. She loves everything about science! Some of her favorite classes include Histology, Cellular Biology, and of course, Environmental Science.

Florence is currently working on the Tribal Air Quality study. Flo greatly enjoyed the tour of the SEM facility and is excited to begin the sample analysis process this spring. Flo has enjoyed

## STUDENT OPPORTUNITIES

### Biochemical Markers Fellowships

- Available to current undergraduate and graduate students in science fields
- Opportunity to work on addressing chronic diseases related to environmental exposures
- More information at: <http://orise.orau.gov/cdc/applicants/description.aspx?JobId=18951>

### Summer Program in Environmental Health

- 10-week internship for college students majoring in environmental health
- Deadline: February 3, 2016
- More information at: <http://www.cdc.gov/nceh/ehs/supeh/>

### CDC Summer Graduate Environmental Health Internship

- Paid 10-week summer internship
- Available to graduate students
- Deadline: February 10, 2016
- More information at: <http://www.cdc.gov/nceh/geh/>

### The National Cancer Institute's Health Communications Internship Program

- Graduate students and recent graduates are eligible to apply
- Participate in vital health and science communications projects
- 6 month to one year internships are available
- Deadline: March 14, 2016
- More information at: <http://hcip.nci.nih.gov>

### UB Storyteller's Conference

- University of Buffalo
- Call for papers
- April 15-16, 2016
- Deadline: January 31, 2016
- Email: [ubamsconference@yahoo.com](mailto:ubamsconference@yahoo.com)

### Buick Achievers Scholarship Program

- Scholarship for up to 25,000 a year for first-time freshman or existing college students
- Awarded based on financial need and academic achievement
- Deadline: February 29, 2016
- More information at: <https://buickachievers.scholarshipamerica.org/>

working on the project so much that she plans to stay involved with the study until its completion.

Flo is a mother to three children. In fact, two of her children also attend NHSC! In her free time, Flo enjoys travelling and trying new foods. Flo loves to learn new things, which is one reason why she has started to learn her native Arikara language. She is definitely an accomplished student; we look forward to seeing the great outcomes Flo will contribute to the Tribal Air Quality study and wish her the best with her future!



*Florence Laducer-Garrett (Courtesy of Florence Laducer-Garrett)*

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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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#### Goldwater Foundation Scholarships

- Awards will be given on the basis of merit
- For college juniors and seniors
- Must be nominated by an academic institution
- Deadline: February 1, 2016
- More information at:  
<http://goldwater.scholarsapply.org/yybull.php>

#### Harry S. Truman Scholarship Foundation

- Awards merit-based scholarships
- For students who plan to pursue a career in government
- Deadline: February 2, 2016
- More information at:  
<https://www.truman.gov/candidates/2016-competition>

#### Udall Undergraduate Scholarship

- Available for students pursuing environmental-related degrees, tribal policy, or Native health careers
- Deadline: March 2, 2016
- More information at:  
<http://www.udall.gov/OurPrograms/Scholarship/Scholarship.aspx>

#### Indian Health Service Scholarships

- Help American Indian and Alaska Native students pay for undergraduate and graduate studies in health professions
- Deadline: March 28, 2016
- More information at:  
<https://www.ihs.gov/newsroom/index.cfm/ihs-blog/january2016/deadlines-for-ihs-scholarship-applications-are-fast-approaching/>

#### ASPPH/NHTSA Public Health Fellowship Program

- Available to individuals with graduate degrees
- Gain experience in injury prevention and motor vehicle safety issues
- Deadline: March 10, 2016
- More information: <http://www.aspph.org/now-accepting-applications-for-aspphnhtsa-public-health-fellowship-program-due-march-10/>