

# NDSU INBRE MONTHLY UPDATE

Year 2/ December 2015



## DECEMBER HIGHLIGHTS

### SURP PLANNING PROCEEDS

### AIR QUALITY RESEARCHERS BEGIN SEM ANALYSIS

### STUDENT SPOTLIGHT

### SOCIAL MEDIA UPDATES

### STUDENT OPPORTUNITIES

#### Women in STEM Experience

- Free STEM symposium
- January 22-23, 2016 at the University of Alabama
- Register at: <http://wise.ua.edu/>

#### Summer Laboratory Science Program at Mayo Clinic

- Available to science majors
- Opportunity to work in a clinical testing laboratory alongside professionals
- Deadline: February 2016
- More information at: <http://www.mayoclinic.org/jobs/internships/summer-lab-science-program/overview>

### SURP PLANNING PROCEEDS

The INBRE team has worked this past month to develop the 2016 Summer Undergraduate Research Program (SURP). The program will be held at a different time this year to give tribal college students the opportunity to participate in SURP while also allowing sufficient time to take summer courses, 10 week REUs, or attend another summer program. **The dates for this year's program will be May 15<sup>th</sup> to May 28<sup>th</sup>, 2016 at the NDSU campus in Fargo, ND.**

The SURP program will also include new activities which differ from last year's program. Tours of facilities not included in last year's program, such as the new STEM building located on campus and the Center for Protease Research will help students learn more about the opportunities at NDSU. The INBRE team plans to use the STEM building's innovative space to further engage students into research.

### TRIBAL AIR QUALITY PROJECT CONTINUES WITH ANALYSIS USING THE SEM

Students from the Tribal Air Quality study traveled to NDSU's campus earlier this month to begin working with the scanning electron microscope (SEM) equipment located at NDSU's Electron Microscopy (EM) Center housed in the USDA Northern Crop Science Laboratory. This equipment will be used with assistance from NDSU EM Center staff to further analyze the samples that have been collected by the Nueta-Hidatsa-Sahnish College students on the project.

The students previously weighed the sample filters and noted the amount of dust that was collected. Once completed, they were able to determine the quantity of dust mobilized. The students will proceed with analysis by

first using SEM to determine the composition of the dust. Continued work with the SEM lab and the EM Center staff will be an integral part of the Air Quality Study.

## 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>

### Collegiate Leaders in Environmental Health

- 10-week summer program for students passionate about the environment and interested in human health
- Deadline: January 27, 2016
- More information at:  
<http://www.cdc.gov/nceh/cleh/>

### James A. Ferguson Emerging Infectious Diseases Fellowships

- 9-week summer program for those interested in addressing health disparities related to infectious diseases
- Deadline: January 31, 2016
- More information at:  
<http://www.kennedykrieger.org/professional-training/professional-training-programs/rise-programs/ferguson-fellowship>

### 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/>

### University of Michigan – Public Health Leaders Program

- 10-week program for those interested in public health
- Deadline: January 31, 2016
- More information at:  
<http://fphlp.sph.umich.edu/program/>

### Project Imhotep

- 11-week summer internship
- Designed to increase skills in biostatistics, epidemiology, etc.
- Deadline: January 31, 2016
- More information at:  
<http://www.morehouse.edu/centers/phsi/grants-imhotep.html>

## STUDENT SPOTLIGHT

The INBRE team is currently looking for students who would like to be featured in this section. Previous featured students include:

- Lee Voigt, Environmental Science, NHSC
- Memphis Belgarde, Pre-med/Biology, TMCC
- Dereck Stonefish, SBC Alumnus

If you or someone you know desires to be featured in this section, please let the INBRE team know! Requests or recommendations can be sent to either Pearl, [pearl.walker@ndsu.edu](mailto:pearl.walker@ndsu.edu), or Allison at [allison.goldenstein@ndsu.edu](mailto:allison.goldenstein@ndsu.edu). We would love to hear more about the many ways tribal college students are involved with research!

See the NDSU INBRE website for copies of previous newsletters <https://www.ndsu.edu/publichealth/inbre/>

## SOCIAL MEDIA UPDATES

Remember to check out the Facebook and Twitter pages for updates regarding student opportunities! A master list of these opportunities is also available on the NDSU INBRE website and is updated monthly:

[https://www.ndsu.edu/publichealth/inbre/inbre\\_student\\_op/](https://www.ndsu.edu/publichealth/inbre/inbre_student_op/)

To stay informed, follow us on Twitter or join our Facebook page!

Twitter handle: @ndsuinbre

Facebook address:

<https://www.facebook.com/groups/ndsuinbre>

## STUDENT OPPORTUNITIES

### Columbia University Summer Public Health Scholars

- Designed for undergraduates who are undecided about their career goals
- Deadline: January 31, 2016
- More information at:  
<http://ps.columbia.edu/education/student-life/office-diversity/programs/college-and-post-baccalaureate-students/summer-publ>

## 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!

Pearl Walker, INBRE Project Manager  
[pearl.walker@ndsu.edu](mailto:pearl.walker@ndsu.edu)

Vanessa Tibbitts, Public Health Education Manager  
[vanessa.tibbitts@ndsu.edu](mailto:vanessa.tibbitts@ndsu.edu)

Dereck Stonefish, Public Health Research Manager  
[dereck.stonefish2@ndsu.edu](mailto:dereck.stonefish2@ndsu.edu)

Allison Goldenstein, INBRE Graduate Assistant  
[allison.goldenstein@ndsu.edu](mailto:allison.goldenstein@ndsu.edu)



*Best wishes to you this year and a happy winter solstice!*

~ NDSU INBRE

