

NDSU INBRE MONTHLY UPDATE

YEAR 4/JUNE 2017

JUNE HIGHLIGHTS

- SURP 2017 CONCLUDES
- UPCOMING CONFERENCES
- RESEARCH OPPORTUNITY IN GEOSCIENCE
- STUDENT SPOTLIGHT
- INBRE G.A. GOING TO MED SCHOOL

SURP 2017 CONCLUDES

The third year of Summer Undergraduate Research Program (SURP) concluded on June 2, 2017. This year's cohort was quaint with 2 stellar students. They learned a great deal on conducting research with tribal communities. When the INBRE staff asked them

what the most valuable thing they learned from the program was, they replied with "the 10 essential services of Public Health."

Throughout the 2 week program, students were introduced to the foundation of public health through the 10 essential services and how they are applied to research in tribal communities. The program was structured to pilot a 1 credit summer course for SURP 2018. Students were given reading assignments and quizzes from *Research is Ceremony* by Shawn Wilson, writing assignments, CITI modules, a final exam on all research information presented, and a final presentation. The final presentations were on using public health approaches to address health disparities in American Indian populations. Students chose to present on preventing substance abuse in a tribal community and preventing adverse childhood experiences (ACE).

Other focus areas of the program included: tribal research ethics with a guest presentation by Tribal Nations Research Group President, Anita Frederick; research methodologies, indigenous research methods with guest presentations by Melanie Nadeau, Operational Director of the American Indian Public Health Resource Center and Michael Yellow Bird, Director of Tribal and Indigenous Peoples Studies at NDSU; Native Nation Rebuilding; and lab tours. Among the lab tours the insect crysiology lab tour, Plant and Food Science lab tour, and the Center for Nanoscale Science and Engineering lab tour were the student favorites. Pictured below are the two students during the insect crysiology lab tour.

Both students have given verbal commitment to return for SURP 2018. Meanwhile, they will be completing their summer with opportunities to further prepare them for their career goals of becoming Nurses. Mya Vetter of Linton, will work as a certified nursing assistant at a nearby clinic. Amber will serve as an undergraduate research assistant at Candeska Cikana Community College. Program staff enjoyed their inquisitive nature and active participation in the program and look forward to seeing them next year.



Picture 1- SURP 2017 students at USDA lab tour.
Photo credit: Vanessa Tibbitts

UPCOMING CONFERENCES

July 6 to 10, 2017—2017 National UNITY Conference
Denver, CO <http://unityinc.org/events/national-conference/>

July 27 to 30, 2017—46th Annual AAIP Meeting & Health Conference Shawnee, OK
<https://www.aaip.org/events/calendar/m.eventregistration/453/index/131>

September 17 to 19, 2017—National Native Health Research Training Conference Prior Lake, MN
<http://www.nnhrti.org/>

September 18 to 20, 2017—Second Annual Conference on Native American Nutrition
<http://seedsofnativehealth.org/conference/>

September 21 to 23, 2017—National AISES Conference Denver, CO, travel scholarships available **due July 15th, 2017** conference.aises.org <http://conference.aises.org/>

September 21-24, 2017—Spirit of Eagles National Conference 2017, Niagara Falls, NY
<http://www.nativeamericanprograms.net/2017-national-conference/>

RESEARCH OPPORTUNITY IN GEOSCIENCE



NDSU assistant professor of Geosciences, Lydia Tackett, received the CAREER award from the NSF. This award is a five year faculty early career development award to new faculty-researchers. Her research is focused on paleoecology, or the study of ecology of fossil animals and plants. The award provides funding for research opportunities for NDSU undergraduate and graduate students in Geoscience, in addition to students

from tribal high schools in North Dakota. Tribal high school students will work with Lydia to develop environmental solutions using skills learned on the paleoecology projects. Her recent involvement in NATURE will assist her in recruiting tribal students for this opportunity. See the attached flyer. For more information go to: www.ndsu.edu/faculty/ltackett/

STUDENT OPPORTUNITIES

CDC Laboratory Leadership Service

- Opportunity to develop as a laboratory scientist
- Deadline: July 17, 2017
- More information at: <https://www.cdc.gov/lls/application.html>

Alaska Native Health Research Conference

- October 17-18, 2017
- Abstract Deadline: May 31, 2017
- More information at: <https://goo.gl/L6dyjv>

Christine Mirzayan Science & Technology Policy Graduate Fellowship

- Available to graduate students who have completed graduate studies in the last five years
- Deadline: September 8, 2017
- More information at: <https://goo.gl/1ayckw>

Tylenol Scholarship Program

- Scholarships for health professional students
- Deadline: June 30, 2017
- More information at: <https://goo.gl/j4E8Qo>

AAIP National Native American Youth Initiative

- July 1-9, 2017
- Washington, DC
- More information at: <https://www.aaip.org/nnayi/>

CDC's 6th Biennial Mental Health Surveillance Meeting

- September 19, 2017
- Atlanta, GA
- More information at: <https://goo.gl/o3AcBf>

NIH Cancer Prevention Fellowship

- Available to those with a doctoral degree
- Deadline: August 25, 2017
- More information at: <https://cpfp.cancer.gov/>

JUNE STUDENT SPOTLIGHT

Amber Charboneau (Sisseton-Wahpeton Oyate), Candeska Cikana Community College student in the pre-nursing program was accepted into the Summer Undergraduate Research Program (SURP) 2017. She is a first generation college student with a particular drive and interest for the functions of the human body. She started to work with her mentor, Dr. Brent Voels, on breast cancer research following the conclusion of SURP to continue preparing herself for the nursing field.

She enjoyed participating in SURP 2017. Amber noted that the program has shown her the foundation of the research she will be doing with Dr. Voels. Her mentor, Voels, recommended her to apply for the program. When INBRE staff asked her about her interest in science she replied with the following:

“Voels opened the door in my brain that craves everything involved with science. I’m excited to start the program with him this summer and learning the fundamentals of breast cancer.”

The staff and faculty enjoyed Amber’s inquisitive nature during the program and wish her the best as she finishes her last year at Candeska Cikana Community College. Keep an eye out for this young leader on the move!



Picture 2- Photo Courtesy of Amber Charboneau presenting her final poster at SURP 2017.

STUDENT OPPORTUNITIES

Tribal Water Quality Governance GRA and Undergraduate Internships

- Start in August 2017
- Email your CV, e-transcripts, and brief statement of interest to:
 - Dr. Teresa Cavazos Cohn, Dept. of Natural Resources and Society, University of Idaho, tcohn@uidaho.edu
 - Dr. Kate Berry, Dept. of Geography, University of Nevada, kberry@unr.edu
 - Dr. Kyle Powys Whyte, Dept. of Community Sustainability, Michigan State University, kwhyte@msu.edu

National Institute of Justice Native STEM student travel scholarships

- Application due June 30, 2017
- Attend the Annual Conference of the International Association of Chiefs of Police
- Philadelphia, PA
- Oct. 21- 24, 2017
- More information at: https://nij.gov/topics/tribal-justice/Pages/native-student-travel-scholarships.aspx?utm_source=email-tradeorg&utm_medium=email&utm_campaign=adhoc

CDC Laboratory Leadership Service Fellowship Program

- Must hold a doctoral level degree
- Application deadline July 17, 2017
- More information at: <http://cdctoday.cdc.gov/PDF/20039.pdf>

The Task Force for Global Health Internships and Fellowships

- Applications are on a rolling basis
- More information at: <https://www.taskforce.org/internships>

Christine Mirzayan Science & Technology Policy Graduate Fellowship

- Deadline September 8, 2017
- Fellowship is January 16- April 6, 2018
- \$9000 stipend
- Washington, DC
- More information at: <http://sites.nationalacademies.org/PGA/policyfellows/>

INBRE G.A. GOING TO MEDICAL SCHOOL

The INBRE Graduate Assistant, **Allison Goldenstein**, who has served in this role for the past 2 years has graduated with her Master's in Public Health from NDSU. She will be continuing her education and health professions training in medical school!

Allison was accepted into A.T. Still University School of Medicine located in Kirksville, Missouri. She will bring her training of becoming doctor of osteopathic (DO) medicine in July. Her career goal is to work in a rural setting as a MPH/DO where she can use her public health background to emphasize primary prevention care for patients.

Her role as the INBRE GA has been vital to the success of projects. She has assisted with the development and delivery of distance research training modules, editing the monthly newsletter, SURP, and doing student opportunities outreach through social media outlets. Her work has positively impacted NDSU INBRE and those she has worked with. Program staff have enjoyed working with her over the past 2 years and will certainly miss having her on the team.

Best wishes to Allison Goldenstein as she embarks on her road into medical school!



Picture 3-Allison Goldenstein, MPH. Photo courtesy of Allison Goldenstein

If you would like to submit a student research opportunity, nominate a student for the Student Spotlight, or have another announcement you'd like us to include in the next monthly update, please contact us:

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www.ndsu.edu/publichealth/inbre