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.
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/
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!

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

CDC Laboratory Leadership Service Fellowship Program
- Must hold a doctoral level degree
- Application deadline July 17, 2017

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 be starting 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!