

NDSU INBRE MONTHLY UPDATE

Year 3/ May 2016



MAY HIGHLIGHTS

SURP PROGRAM BEGINS

STUDENT SPOTLIGHT – ASHAYE DECOTEAU

SUMMER UNDERGRADUATE RESEARCH PROGRAM

The students arrived on May 15th for the 2016 Summer Undergraduate Research Program. This year, there are five students participating in the program; three of the students currently attend Turtle Mountain Community College and two attend North Dakota State University.

During the first week, the students had the opportunity to tour Concordia College and Minnesota State University Moorhead. At these tours, they learned more about the tri-college initiative. The students also heard from presenters at NDSU who talked about services offered by the Career Center, Graduate School, along with TRIO and SSS programs on-campus.

The students heard from several researchers during the program. Dr. Donald Warne presented to the students on Monday, Tuesday, and Thursday. He spoke about research ethics and tribally-driven research. The students gained knowledge on the importance of culture in research and how to effectively engage tribal communities in the research process. Dr. Denise Lajimodiere and Dr. Michael Yellowbird were the keynote speakers for the luncheon sessions on Wednesday and Friday afternoon. These researchers spoke with the students about their current projects and how their experiences shaped their pursuit of higher education. Jamie Holding Eagle and Petra One Hawk, both NDSU MPH candidates, were keynote speakers for their luncheon sessions. Each discussed how they use culture to foster their research and growth as professionals. Dr. Abby Gold also spoke with the students on Saturday morning about Photovoice; they learned more about this unique research method. These sessions were a great opportunity for the students to learn about the diversity of research and how to become a future researcher.

In addition to research topics, sessions on communication and professional development taught the students more about collaboration in the research field as well as proper business etiquette. Journal club was another session where students practiced analyzing research papers and learned the basics of conducting a literature review. In addition, the students attended sessions on Indigenous research methodologies and learned about indigenous research paradigms. Each received a copy of “Research is Ceremony” by Shawn Wilson.

The students were able to tour several of the research facilities on NDSU’s campus. Monday marked the first tour which was led by Dr. Dipayan

Sarkar in the Plant and Food Sciences department. Dr. Sarkar taught the students that food is medicine. He discussed how research is conducted in their lab and focused around the benefits of food as a preventative tool to chronic diseases such as



diabetes. Aaron Reinholz took the students on a tour of the Center for Nanoscale Science and Engineering. They also toured the Center for Protease Research, the Animal Science department, and the VA Medical Center in Fargo.

Please watch for our next newsletter to hear more about the rest of the SURP program!

STUDENT SPOTLIGHT

Ashaye DeCoteau just completed her first year of school at Turtle Mountain Community College (TMCC) majoring in biology. She is a member of the Turtle Mountain Band of Chippewa and is also a student in the 2016 Summer Undergraduate Research Program. Ashaye conducted undergraduate research under the advisement of Audrey LaVallie and Ashley Parisien at TMCC on a study called, "Depolymerization of Lignin". Ashaye enjoyed learning more about the research process which fueled her interest in the SURP program!

Ashaye's goal is to become a future physician to improve health care in her community. She states, "I want to go back to my community and help my people with my education." Ashaye will also be attending the Summer Medical and Dental Education Program (SMDEP) at Yale School of Medicine this summer. We are so excited for Ashaye and can't wait to hear more about her future accomplishments!



Ashaye DeCoteau

STUDENT OPPORTUNITIES

16th Annual International Graduate Student Conference on the Asia Pacific Region

- February 16-18, 2017 in Honolulu Hawaii
- Accepting abstracts until September 12, 2016
- More information at:
<http://www.eastwestcenter.org/education/student-programs/international-graduate-student-conference>

Robert Noyce Teacher Scholarship Program

- Program seeks to encourage talented professionals to become K-12 teachers
- Program offers four specialty tracks
- Deadline: September 6, 2016
- More information at:
<http://www.nsf.gov/pubs/2016/nsf16559/nsf16559.htm>

Mathematical Sciences Postdoctoral Research Fellowships

- Supports future leaders in mathematics and statistics by facilitating their participation in postdoctoral research environments
- Deadline: October 19, 2016
- More information at:
<http://www.nsf.gov/pubs/2016/nsf16558/nsf16558.htm>

Schwarzman Scholars

- A one-year Master's degree program based in Beijing
- Designed to prepare the next generation of leaders for the geopolitical of the 21st century
- Deadline: September 15, 2016
- More information at: <http://goo.gl/NJblxF>

Gathering of Good Minds

- An opportunity to continue to build alliances for healthy Native American communities throughout New York State
- May 25th – May 28th in East Syracuse, New York
- More information at:
https://registration.sitesolutionsworldwide.com/synergy/v_1_/home/login.php?ccc=0_0_1033&syntrack=&scid=1033

Tribal ecoAmbassadors Program

- This program supports environmental projects at Tribal Colleges and Universities to study environmental problems
- Deadline: June 17, 2016
- More information at:
<https://www.epa.gov/tribal/funding-opportunity-2016-2017-tribal-ecoambassadors-grant-program>