

Morning Session – Poster Winners

First Place

John Wells, Torie Jones, Luke Koran, Typhanie Schafer

Ellendale Public History Field School Project

Department(s): History, Philosophy, and Religious Studies

Faculty Adviser/Mentor: Angela Smith

Second Place

Anne Gatzke

Impact of Various Mulches on Sweet Corn Germination, Plant Growth, and Yield

Department(s): Agricultural and Biosystems Engineering

Faculty Adviser/Mentor: Xinhua Jia

Third Place (tie)

Augusto Moreira

Ruggedness Test for Density Measurements of Flax Fiber

Department: Mechanical Engineering

Faculty Adviser/Mentor: Chad Ulven

Amy Scegura

Effect of Simulated Hail Treatment on Yield Loss in Chickpea

Department: Plant Sciences

Faculty Adviser/Mentor: Kevin McPhee

Morning Session – Oral Presentation Winners

First Place

Lauren Singelmann

Graphical User Interface That Analyzes RNA Sequencing Data

Department: Electrical and Computer Engineering

Faculty Adviser/Mentor: Dan Ewert

Second Place

Emily Karkoska

Strategic Communication in College Newspapers: A Case Study of The Spectrum

Department: Communication

Faculty Adviser/Mentor: Charles Okigbo

Third Place

Brandt Berghuis

*Phenotypic and genotypic diversity of *Uromyces appendiculatus* (common bean rust) in North Dakota*

Department: Plant Pathology

Faculty Adviser/Mentor: Andrew Friskop

Afternoon Session – Poster Winners

First Place

Cooper Bierscheid

Utilizing Additive Manufacturing Processes for Medical Devices: Prosthesis

Department(s): Industrial and Manufacturing Engineering

Faculty Adviser/Mentor: David Wells

Second Place

Glen Peterson

Oil Sorption of Non-woven Biological Mats

Department(s): Agricultural and Biosystems Engineering

Faculty Adviser/Mentor: Sreekala Bajwa

Third Place

Ashlyn Nelson

Blood Flow Restriction Exercise Induced Muscle Swelling is Not Enhanced With Low Cuff Pressure-Small Cuff Width Prescription

Department: Health, Nutrition, and Exercise Science

Faculty Adviser/Mentor: Kyle Hackney

Afternoon Session – Oral Presentation Winners

First Place

Mariom Carvajal

Bebaeus: A Species or a Species Complex? Studying the Implications of Biodiversity in True Bugs

Department: Entomology

Faculty Adviser/Mentor: David Rider

Second Place

Erika Schneider, Morgan Klosterman

The Strategies Undergirding Those Spectacular Super Bowl Commercials

Department: Communication

Faculty Adviser/Mentor: Charles Okigbo

Third Place

McKenzi Shelton

Expression of receptor for nitric oxide (NO), soluble guanylyl cyclase (sGC) in ovine ovarian follicles: Effects of diet and arginine

Department: Animal Sciences

Faculty Adviser/Mentor: Anna Grazul-Bilska