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 Gatze
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