



# 2018 Poster Presentation Award Winners

## HIGH SCHOOL

**Grand Prize:** Rachel Heynen, Mitchell High School

*Subcellular Localization and Function of SUSD2: Differences between Breast and Ovarian Cancers*

**Grand Prize:** Madison Hetland, Mitchell High School

*Constructing a Solar Graphene-Based Supercapacitor*

## K-12 TEACHERS

**Grand Prize:** Julie Olson, Mitchell High School

*Hands-On vs Virtual Labs: Student Motivation and Retention*

**Grand Prize:** Darwin Daugaard, Dell Rapids Public Schools

*Exterior Girder Rotation During Deck Placement*

## UNDERGRADUATES

**Grand Prize:** Luke Bartl, Augustana University

*The Genetic Origin of a Rare Mitochondrial Disorder*

**Honorable Mention:** Troy Hollinsworth, Augustana University

*SBAP-Linked Bioconjugation of Oligonucleotides to Quantum Dots*

**Honorable Mention:** McKayla Poppens, Augustana University

*Tracking gender differences in a mouse model of CLN6-Batten disease*

## GRADUATE STUDENT/POST-DOC

**Grand Prize:** Pratiksha KC, South Dakota State University

*Elucidating the roles of repressor ARFs in soybean nodule development*

**Honorable Mention:** Krishnan Veluswamy, South Dakota School of Mines and Technology

*Thermoplastic fiber reinforced composites*

**Honorable Mention:** Sadikshya Aryal, South Dakota State University

*A step for sustainable solution of nutrient deficiency*

**Honorable Mention:** Mohamed Elfaruk, South Dakota State University

*Sweetpotato enriched wheat bread: A step towards addressing Vitamin A deficiency*

**Honorable Mention:** Ishara Ratnayake, South Dakota School of Mines & Technology

*Subcellular characterization of Notch signaling deficient kidney epithelium using transmission electron microscopy*

**Honorable Mention:** Most Farzana Yesmin, South Dakota State University

*Biodegradable Biopolymers for Renewable Water Treatment Technologies*

**Honorable Mention:** Divya Kota, South Dakota School of Mines & Technology

*Nonmuscle MyosinII B Tension Sensor reveals Intracellular and Membrane Force Mechanics and Tension in Live cells.*