

## CWSF 2018 - Ottawa, Ontario



### Ally Churko

#### Effect of Epigenetics on Human Emotions

**Challenge:** Health

**Category:** Intermediate

**Region:** Prairie Valley

**City:** Milestone, SK

**School:** Milestone School

**Abstract:** My study focuses on identifying how emotions and mental health are affected by chemical processes which alter the way in which our genes are expressed. I accomplished this by researching scientific papers and publications. This is an important topic because it explains why we feel certain emotions on a genetic level, and how health science may help those affected by negative mental health issues.

#### Biography

My name is Ally Churko and I am 15 years old. I enjoy reading, and am involved in my local choir, dance group, and drama club. This year I did a project on epigenetics. In years to come I would like to look at how epigenetic change may be linked to illnesses, such as anti-NMDA receptor autoimmune encephalitis. My advice to others wanting to do a science fair project would be to make sure you find a topic you are passionate about, because that will drive you to put the necessary work into your project.