

# CWSF 2019 - Fredericton, New Brunswick



## Ally Churko

### Can Transgenerational Epigenetics be Shown in *Eisenia fetida*?

**Challenge:** Discovery

**Category:** Senior

**Region:** Prairie Valley

**City:** Milestone, SK

**School:** Milestone School

**Abstract:** I performed an experiment on Redworms. I exposed multiple generations to varying light intensities to see if I could find evidence of Transgenerational Epigenetic Inheritance. This is important because understanding how Transgenerational Epigenetic Inheritance occurs may help us understand how and why species' evolve.

#### Biography

My name is Ally Churko, and this is my second year attending the Canada Wide Science fair. This year I performed an epigenetic experiment whereas last year I performed an epigenetic study. My experiment was on red worms. Upon completion of my experiment I would have had close to 700 worms total. My experiments took place over a course of approximately 3 months. I come from a small town in Saskatchewan. I love to read books, I enjoy dancing, and I partake in theater groups and a choir in my community. After high school I plan to attend a post secondary school, however I have not decided in what subject.

#### Awards

#### Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$2 000</b>

