

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
Total	\$2 000