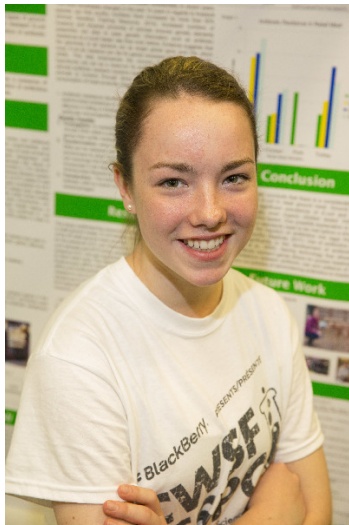


# CWSF 2014 - Windsor, Ontario



## Detection of Antibiotic Resistant E. coli in Retail Meat

**Challenge:** Health

**Category:** Intermediate

**Region:**

**City:** ,

**School:**

**Abstract:** Antibiotic resistant bacteria from animal origin represent potential health hazards. Agricultural practices of using antibiotics in livestock may increase prevalence of antibiotic resistant bacteria/genes. This study confirmed the presence of E.coli in retail ground meat, and antimicrobial resistance of the strains isolated. It is important because the emergence and increase of antimicrobial resistant E.coli as in other bacteria is limiting treatment options and antibiotic cures.

Awards	Value
Excellence Award - Intermediate - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 100