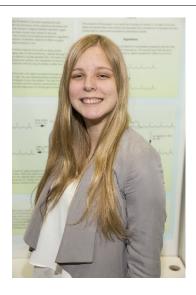




## CWSF 2015 - Fredericton, New Brunswick



## **Holly Philbrick**

## Clarifying the Function of Vitamin E

Challenge: Discovery
Category: Senior
Region: Niagara

**City:** St. Catharines, ON **School:** Laura Secord S.S.

**Abstract:** Recently, vitamin E has shown to possibly be involved in gene expression

in addition to its antioxidant properties. A new molecule was synthesized that mimics vitamin E but with no antioxidant properties. It is hypothisezed that this sacrifice of vitamin E's antioxidant properties will stop its ability to

effect the expression of certain genes.

## **Biography**

Holly Philbrick is in grade 12 at Laura Secord Secondary School in St. Catharines, Ontario. While very involved in extracurricular activities, Holly has managed to keep a very high academic average through hard work in various courses, math and science being a specialty. Some of these extracurricular activities include orchestra, sting ensemble, and many choirs. Holly is a prefect at her school as well as a mentor to younger students. In her free time, Holly volunteers at the St. Catharines General Hospital assisting patients and families who are having trouble in difficult times. She also has a passion for music and plays many instruments including piano, violin, guitar, and trombone. For postsecondary education, she plans on taking medical or chemical related sciences leading up to either earning a PhD, MD or, if she's feeling extra ambitious, both.

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





Youth Science Canada

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