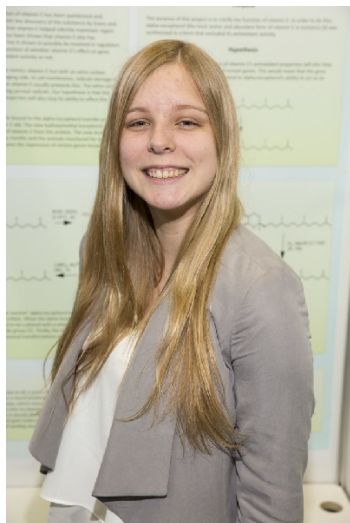


CWSF 2015 - Fredericton, New Brunswick



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 hypothesized 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 post-secondary 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 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