

# CWSF 2014 - Windsor, Ontario



## Evan Langille

### Inhibiting Fructose Transport

**Challenge:** Discovery

**Category:** Senior

**Region:** Annapolis Valley

**City:** Centreville, NS

**School:** Central Kings Rural High School

**Abstract:** Obesity has become an increasing problem in North American populations. Fructose is one of the main contributors to this health crisis; it is a non-essential sugar to the human body. The purpose of this research is to explore the possibilities of using chemical inhibitors to block the passage of Fructose from an individual's small intestine to their bloodstream.

### Biography

My name is Evan Langille, a grade 12 student from Central Kings Rural High located in the Annapolis Valley, Nova Scotia. My interests include Music, Technical Theatre, Biochemistry and Molecular Biology. In the Annapolis Valley finding project support seemed very difficult. I didn't let this suppress my idea and I used this frustration to spring forward and create a working laboratory in my home. I enjoy experimentation and investigation of various topics, with independent studies focusing on Hematology, Cell Biology, Microbiology and Biochemistry. I plan to attain a BSc in Biochemistry with a focus in Molecular Biology, then on to further graduate studies. I have a dream of opening a community science lab to make science more accessible to students and to provide opportunities that I didn't have because of where I live. I try as a student to serve the science community as much as possible by judging junior science fairs and doing demos and science shows at school. Science is my passion!

### Awards

### Value

Excellence Award - Senior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
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	\$2 100