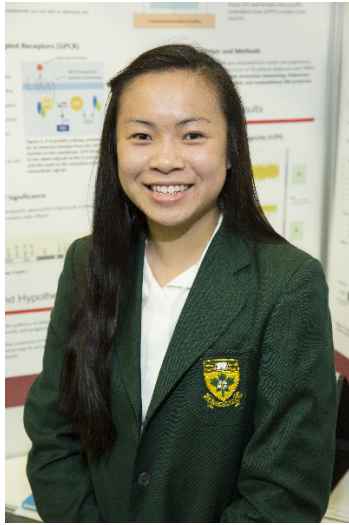


# CWSF 2014 - Windsor, Ontario



## Marissa Lee

### Prevalence and Consequences of GNA13 Mutations in PMBCL

**Challenge:** Health

**Category:** Senior

**Region:** Greater Vancouver

**City:** Vancouver, BC

**School:** York House School

**Abstract:** The purpose of my project was to investigate the prevalence and consequences of mutations on the GNA13 gene in primary mediastinal large B-cell lymphoma (PMBCL). In the future, this research and future experiments will be important for the development of personalized medicine for PMBCL.

#### Biography

My name is Marissa and I am currently a grade 11 student at York House School in Vancouver, BC. At school, my favorite subjects include biology, math, and physics. Outside of school, I enjoy participating in a variety of activities. I have always had an interest in the field of business as I became the Vice-President of Human Resources for my Junior Achievement student company. I was a dancer at the Goh Ballet Academy for over ten years where I competed in many competitions and also performed in "The Nutcracker." I have been involved in the "Gotta Sing! Gotta Dance!" productions for five years, which is an intensive musical theatre summer program. The science fair project that I completed this year investigated the genetic mutations in a type of lymphatic cancer; I chose this topic because I wanted to do a project that combined both cancer research and molecular biology. In the future, I plan on continuing this project because I believe that it has the potential to contribute to personalized medicine in the future. I would encourage all students out there interested in science to do a project because science fair is an amazing experience.

#### 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
<b>Total</b>	<b>\$2 100</b>