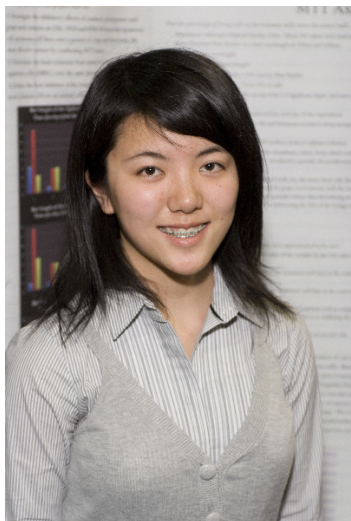


## CWSF 2009 - Winnipeg, Manitoba



### Jessica Zhang

#### A Fruity Attack on the Vicious Lung Carcinomas

**Division:** Life Sciences / None  
**Category:** Intermediate  
**Region:** Greater Vancouver  
**City:** Vancouver, BC  
**School:** University Transition Program  
**Abstract:** The objective of this project was to find the best inhibitor of the proliferation of bronchial squamous lung cancer cells (the variables) that is not very cytotoxic on normal bronchial squamous cells (controls), out of three commercially-available cranberry, pomegranate and grape seed extracts over a period of five days. The grape seed extract was determined to be the one that met these requirements the best.

#### Biography

I am a 14-year-old who is enthusiastic and curious about the way how everything in life connects in science and cultures. At school, I am particularly strong in Math, Biology and English. Amongst my proudest academic distinctions, I have received an international commendation for my Commonwealth Essay, and I've just recently been awarded Outstanding Delegate in the Canadian High School Model United Nations. I can communicate well in three languages: Mandarin, English and French. I've played the piano since I was 3.5 years old, although I have dropped my piano lessons for my studies recently. I am about to graduate from high school this June, and attend UBC starting from September. The University Transition Program gave me many opportunities to compete in academic competitions. I have received several distinctions, and I've had many valuable experiences. In sports, I am passionate about badminton and tennis. I have won a trophy in my badminton club in a tournament, and I love the challenge that physical sports provide. Also I am excited about my academic challenges, such as graduating early. In the past two years, I have volunteered for over 200 hours as an assistant badminton coach and other positions in the community.

#### Awards

#### Value

Petro-Canada Peer Innovation Award - Intermediate - Western Canada	\$200
Sponsor: Petro-Canada	
Total	\$200

