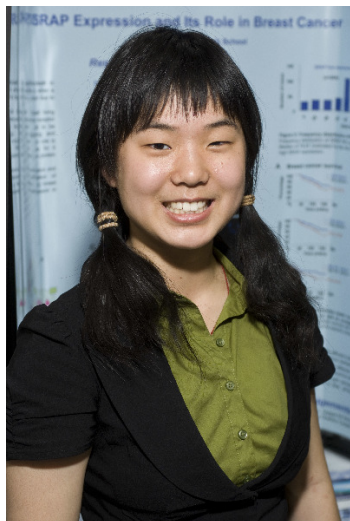


## CWSF 2010 - Peterborough, Ontario



### Xichi Yang

#### SRAP Expression and Its Role In Breast Cancer

**Division:** International

**Category:** Intermediate

**Region:** Manitoba Schools Science Symposium

**City:** Winnipeg, MB

**School:** Kelvin High School

**Abstract:** SRAP is a co-activator and co-regulator of Estrogen Receptor (ER) and associated with breast cancer. Two methods of protein detection: immunofluorescence and immunohistochemistry on breast cancer cells and tumour tissue were used. The application of immunohistochemistry to tissue micro-array (TMA) breast tumour samples conclude that low SRAP expression in breast cancer patients has better prognosis.

#### Biography

There's so much that I'd like to do, and so little time. My life seems like a juggling act between piano lessons, dance, table tennis, gymnastics, and the biggest one: school. I'm quite fortunate to have participated in the Canada Winter Games '07 in Whitehorse Yukon, representing Team 'Toba in Table Tennis, where I made new friends and learned about sports that were new to me, like squash. Violin was the first instrument I played, and starting at age 6, I began to build an admiration and love for music. I've played flute, baritone saxophone, and french horn in band, but the one I love most is playing the piano. Music is like a whole different world, a universal language which sometimes moves me to laughter or tears. I also danced in Folklorama last summer. Singing is one of my hobbies, and I like to belt out my favourite tunes in the shower. I'm glad I participated in the SABC competition this year, for that's what led me to do a project with my mentor, Dr. Leygue, and register for the MSSS. This whole experience has been quite unbelievable, and opened my eyes to the world of science.

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040