

## CWSF 2007 - Truro, Nova Scotia



### Angelica D'Souza

#### Gene Therapy for Cervical Cancer

**Division:** Life Sciences / None

**Category:** Intermediate

**Region:** London District

**City:** London, ON

**School:** A.B. Lucas S.S.

**Abstract:** Cervical cancer is the second most common cancer in women. Gene therapy to modify the abnormal proliferation of cancer cells is a potential treatment. DP1 is a major player in cell cycle progression. Cervical cancer cells die when infected with a recombinant adenovirus that encodes a mutant DP1 form which interferes with normal DP1. Thus, dnDP1 is a potential treatment for cervical carcinoma.

#### Biography

My name is Angelica Marie D'Souza and I am 14 years old. I started Grade 9 in September of 2006 at A.B. Lucas Secondary School in London, Ontario. I am on my school's girls' rugby team and on the swim team. Outside of school, I dance and take Jazz and Ballet lessons. I volunteer at Humber River Regional Hospital in Toronto. I am also working to earn a Bronze Award of the Duke of Edinburgh Award. I like to scuba dive and collect coins from all over the world. I enjoy reading, especially fantasy, vampire stories, and historical fiction novels. I speak four languages: English, Spanish, Italian, and French. My favourite school subjects are History, French and Math. My post secondary plans vary from month to month, but currently I would like to study History and Modern Languages or Medicine.

#### Awards

#### Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Health Sciences - Intermediate Sponsor: Canadian Institutes of Health Research	\$300
Total	\$1 300

