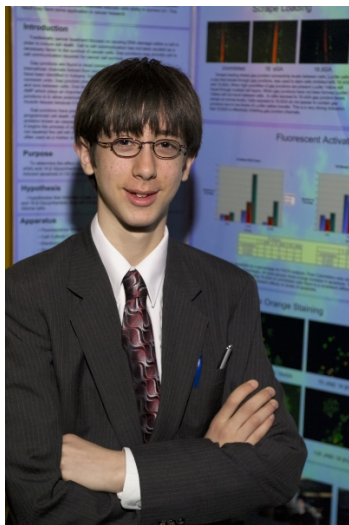


## CWSF 2005 - Vancouver, British Columbia



### Yale Michaels

#### Gap Junction Inhibition Causes an Increase in Apoptosis in C6 Glioma

**Division:** Health Sciences

**Category:** Junior

**Region:** Winnipeg Schools

**City:** Winnipeg, MB

**School:** Grant Park High School

**Abstract:** Gap junctions are intercellular channels found throughout the body. They allow for movement of molecules between cells. I studied whether gap junctions were necessary in survival of C6 Glioma cancer cells. My results showed that inhibiting gap junctions reduced cells' ability to survive UV. This may apply to cancer research.

Awards	Value
Genome Canada Awards - Junior - Second place Sponsor: Genome Canada	\$500
The University of Western Ontario Scholarship Gold Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
Gold Medal - Health Sciences - Junior Sponsor: Canadian Institutes of Health Research	\$1 500
EnCana Platinum Award - Best Junior Project Sponsor: Encana Corporation	\$5 000
Total	\$9 000