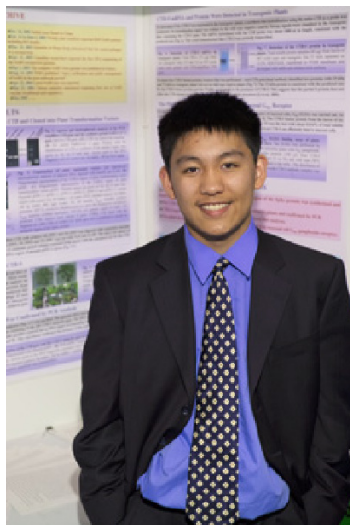


## CWSF 2005 - Vancouver, British Columbia



### David Wang

#### Making a Magic Herb Against SARS

**Division:** Biotechnology

**Category:** Intermediate

**Region:** London District

**City:** London, ON

**School:** A.B. LUCAS SECONDARY SCHOOL

**Abstract:** SARS-coronavirus establishes its infection via mucosal routes. To develop an oral vaccine, we generated transgenic plants expressing an antigenic region of a viral protein fused with a mucosal carrier protein. The fusion protein showed binding capacity to mucosal receptors. Thus, this novel approach has great potential for effectively preventing SARS.

Awards	Value
Agriculture and Agri-Food Canada Award - Intermediate Sponsor: Agriculture and Agri-Food Canada	\$750
Genome Canada Awards - Intermediate - Second place Sponsor: Genome Canada	\$1 000
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Biotechnology & Pharmaceutical Sciences Intermediate Sponsor: Rx&D Health Research Foundation	\$300
Total	\$3 050