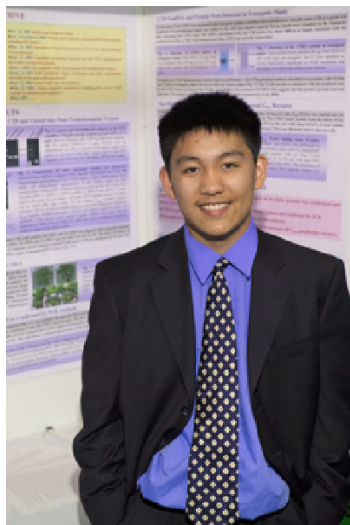


CWSF 2005 - Vancouver, British Columbia



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