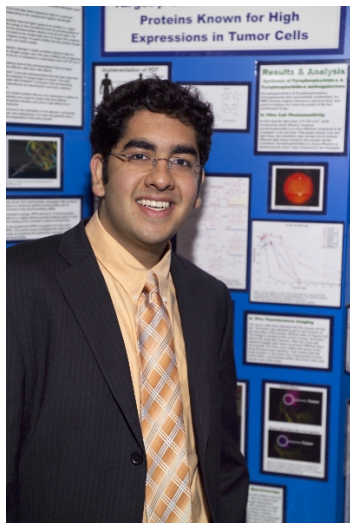


CWSF 2006 - Saguenay, Québec



Sean Bhalla

Photodynamic Therapy: A Red Light for Cancer

Division: Life Sciences

Category: Senior

Region: Peel

City: mississauga, ON

School: Mentor College

Abstract: The objective of this project was to develop photosensitizers that target ?-galactoside recognized proteins that are known for their high expressions in tumor cells. Two drugs derived from chlorophyll-a were synthesized and compared in vitro. The result of this testing and a few other studies is outlined in this project.

Awards	Value
Chemical Education Fund Award - Senior Sponsor: Chemical Institute of Canada	\$500
The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation	\$500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$700
Total	\$5 200