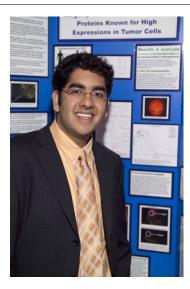




CWSF 2006 - Saguenay, Québec



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



