

CWSF 2006 - Saguenay, Québec



Maxim Winther

Radical Eradication: Piercing the Darkness of the Neuronal Network

Division: Biotechnology

Category: Senior

Region: Greater Vancouver

City: Vancouver, BC

School: Kitsilano Secondary

Abstract: The purpose of the project was to determine if antioxidants would neutralize free radicals in living tadpole neurons. A novel method was developed to directly measure free radical concentration in vivo. Results will improve the two-photon microscopy process and help to understand disease treatments because free radicals are associated with Alzheimer's, Parkinson's and many forms of cancer.

Awards	Value
Merck Frosst Award Sponsor: Merck Frosst Canada	\$1 000
The Actuarial Foundation of Canada Award - Senior	\$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 - Senior Sponsor: Rx&D Health Research Foundation	\$300
Total	\$3 300