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

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