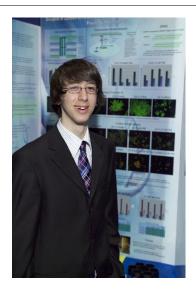




CWSF 2006 - Saguenay, Québec



Yale Michaels

A Potential New Approach to Chemotherapy in Brain Cancer: Disruption of Connexion 43 Particle Arrang

Division: Life Sciences
Category: Intermediate
Region: Winnipeg Schools
City: Winnipeg, MB
School: Grant Park High

Abstract: Malignant Glioma is the most common human brain tumour with an average

15 month survival. This poor prognosis can be attributed to the

ineffectiveness of adjuvant therapies, such as radiation and chemotherapy. My research focused on the importance of gap junction intercellular communication (GJIC) on cell death induced by chemotherapy in malignant glioma. I found that inhibiting GJIC improved cell killing by Temozolomide

chemotherapy.

Awards	Value
The University of Western Ontario Scholarship	\$2 000
Gold Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Gold Medal - Health Sciences - Intermediate	\$1 500
Sponsor: Canadian Institutes of Health Research	
Total	\$3 500



