



CWSF 2008 - Ottawa, Ontario



Biography

For the past four years, my interest in biological sciences has been channeled through Science Fairs. It has been a great learning process, providing academic knowledge, practical laboratory experience, and presentation skills. My future goal is to lead Canadian clinical research teams. Some of my notable awards include winning 2nd place in the Cellular and Molecular Biology Division at the 07 Intel International Science and Engineering Fair as well as 4th nationally and the best commercialization potential award at the 07 National Sanofi-Aventis Biotech Challenge. I have been honored to represent Ontario as a finalist at two Canada-Wide Science Fairs (05' and 06'), winning successive gold medals in the Life Sciences category. Some of my other hobbies include international relations, volunteering, and sports. I am a four year Model United Nations and debate team participant, notably achieving ?Best Delegate' awards at the Students League of Nations, in Geneva, and twice at the York University Model UN Conference. I am a passionate member of several school teams, including varsity cross country, varsity squash, reach for the top, french club, and robotics. I am currently the Ontario Coordinator for the Student Mentorship Association Regarding Science and Technology (http:/...

Aaron Hakim

Microarray Profiling of Gene Expression in the Normal Aging Brain of Drosophila

Division: Category:	Physical & Mathematical Sciences / None Senior
Region:	Bay Area
City:	Mississauga, ON
School:	Appleby College
Abstract:	A better understanding of the molecular effects of aging in the brain may help to reveal processes that lead to age-related brain dysfunction and neurodegenerative diseases. Two channel oligonucleotide cDNA microarrays were used to investigate genome-wide gene expression throughout aging in the Drosophila brain. Gene expression relating to synaptic transmission, energy metabolism, proton transport, and response to light were significantly dysregulated throughout aging.

Awards	Value
Quality of Life Student Research Award	
Sponsor: Institute of Musculoskeletal Health and Arthritis of the CIHR	
Dalhousie University Faculty of Science Entrance Scholarship	\$4 000
Senior Gold Medallist - \$4000 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
NSERC Undergraduate Student Research Award - Senior Gold Medallist	\$5 625
Sponsor: Natural Sciences and Engineering Research Council of Canada	
(NSERC)	
UBC Science (Vancouver) Entrance Award	\$4 000
Senior Gold Medallist - \$4000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
The University of Western Ontario Scholarship	\$2 000
Gold Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
University of Ottawa Entrance Scholarship	\$20 000
Senior Gold Medallist - \$20,000 Entrance Scholarship (\$5,000 each year	
for 4 years)	
Sponsor: University of Ottawa	
Gold Medal - Life Sciences - Senior	
Sponsor: Pfizer Canada	
Total	\$40 875

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