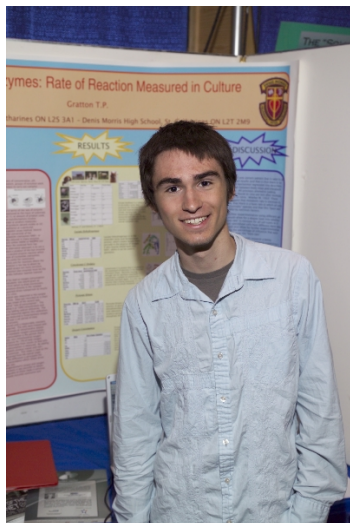


CWSF 2006 - Saguenay, Québec



Tyson Gratton

Metabolism and its Processes: In Vitro

Division: Life Sciences

Category: Senior

Region: Niagara

City: Jordan, ON

School: Denis Morris High School

Abstract: Metabolism summates all chemical reactions occurring within the body and is a strictly regulated, and austere synchronized process in which life itself is based. Experiments undergone in-vitro allow for the isolation and identification of the regulators and innate characteristics of metabolism. Isolated and propagated invariably, the metabolic rates of several mammals did not scale with body mass according to allometric scaling laws found in-vivo.

Awards	Value
The Canadian Society for the Weizmann Institute of Science Scholarships Joseph W. and Joel Anthony Leon Kerbel Scholarship Sponsor: The Canadian Society for the Weizmann Institute of Science (Weizmann Canada)	\$9 400
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$300
Total	\$10 700