



## CWSF 2010 - Peterborough, Ontario



## **Adrian Peter Howie**

## **Arctic-Ceuticals**

**Division:** Earth & Environmental Sciences

Category: Senior
Region: Halifax
City: Halifax, NS

School: Citadel High School

Abstract: The purpose of this project is to identify bioactive compounds from various

species of arctic algae that can benefit human health. This project tested ten species of algae, for possible nutraceutical and pharmaceutical bioactives. Seven of the species showed potential, including samples with

possible anticarcinogenic effects. This project should that bioactives from Arctic algae could be the basis for compounds that save millions of lives

## **Biography**

My name is Adrain Howie, I'm 17 years old and I live in Halifax Nova Scotia. I'm in grade 11 at Citadel High. I have lived in Halifax most of my life except for grades 5 and 6, when I lived in Ottawa. My favorite sports are tennis and football. I play and coach tennis year round, and was on the provincial champion high school football team. I am active in my community and in my church. I also play the double bass in a string ensemble. I did the regional science fair for five years now, and this is the forth time going to nationals.

Awards	Value
Dalhousie University Faculty of Science Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
University of Ottawa Entrance Scholarship	\$3 000
Senior Silver Medallist - \$3000 Entrance Scholarship	
Sponsor: University of Ottawa	
The University of Western Ontario Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Silver Medal - Biotechnology & Pharmaceutical Sciences - Senior	\$700
Sponsor: Youth Science Canada	
Total	\$9 700



