

## ESPC 2010 - Peterborough (Ontario)



### Kurtis Turnbull

#### A Radical Theory: Why Antioxidants May Not Always Be Good

**Division:** Sciences de la vie

**Catégorie:** Sénior

**Région:** Chignecto East

**Ville:** Pictou, NS

**École:** Pictou Academy-Dr. T. McCulloch School

**Sommaire:** This project focused on the effects of antioxidants on the differentiation of stem cells into somatic cells. The ability of planaria to regenerate was measured under exposure to an antioxidant, ascorbic acid, to determine if stem cell differentiation was impaired. The regeneration was quantified through length and the photonegative response. It was found that elevated levels of antioxidant may impair the capacity for differentiation.

#### Biographie

Kurtis Turnbull is grade 12 student from Nova Scotia who possesses a variety of interests and is heavily involved with both his school and community. Outside of academics, he dedicates his time to music, his school's arts club, writers club, student council, the global issues committee and, most recently, his science fair project. Following graduation, Kurtis plans to attend Dalhousie University and receive a Bachelor of Science.

#### Prix

#### Valeur

Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaille de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Bourse d'admission de l'Université d'Ottawa	1 000,00 \$
Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$	
Commanditaire: Université d'Ottawa	
Médaille de bronze - Sciences de la vie - Sénior	300,00 \$
Commanditaire: Pfizer Canada	
<b>Total</b>	<b>2 300,00 \$</b>