

## ESPC 2009 - Winnipeg (Manitoba)



### **SpongeBob's Nemesis Plankton: Evil Genius or Omega-3 Super-producer?**

**Division:** Biotechnologie / Innovation environnementale

**Catégorie:** Junior

**Région:**

**Ville:** ,

**École:**

**Sommaire:** This experiment demonstrates how phytoplankton are an alternative source of omega-3. The growth conditions were varied to observe which produced ideal yields of omega-3. *Chaetoceros muelleri*, and *Isochrysis galbana* Tahiti strain were the two species used. The final results proved that TISO contains the greatest quantity of omega-3, and growing it at 21 C with nutrient concentration of F/2 provided the greatest quantity of omega-3.

Prix	Valeur
Bourse d'études de l'Université Western Ontario	2 000,00 \$
Médaille d'or - Bourse de début d'études de 2 000 \$	
Commanditaire: Université Western Ontario	
Médaille d'or - Biotechnologie et les sciences pharmaceutiques Junior	1 500,00 \$
Commanditaire: Sciences jeunesse Canada	
Total	3 500,00 \$