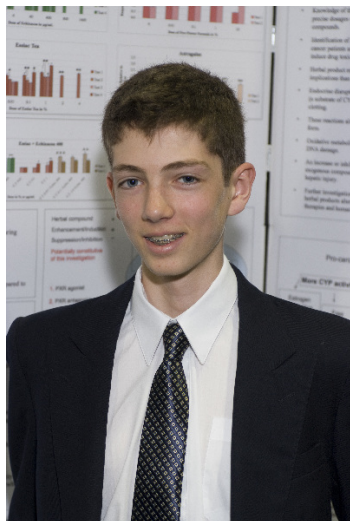


ESPC 2009 - Winnipeg (Manitoba)



Brian Krug

Herbal Products May Alter Drug Metabolism

Division: Sciences de la vie / Aucun

Catégorie: Intermédiaire

Région: Waterloo-Wellington

Ville: Guelph, ON

École: John F. Ross C.V.I.

Sommaire: The enzyme CYP3A4 is involved in the metabolism and therapeutic outcome of 50% of pharmaceutical drugs. This investigation used a luciferase transcription assay to determine the effects of herbal products on hepatic CYP3A4 gene transcription. Several products altered gene activity, suggesting they could interfere with the success of drug therapies when consumed simultaneously.

Biographie

I am a grade ten student at John F. Ross C.V.I. in Guelph, Ontario. In the past three years I have had opportunities working with mentors performing research in labs across the University of Guelph. Despite being fascinated with all biological sciences, my research has generally focused on toxicology and cancer research. My interests include competitive skiing, running, biking, hiking, playing the clarinet and reading non-fiction. I plan to study biology or medicine after high school.

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	
Médaille de bronze - Sciences de la santé - Intermédiaire	300,00 \$
Commanditaire: Instituts de recherche en santé du Canada	
Total	1 300,00 \$

