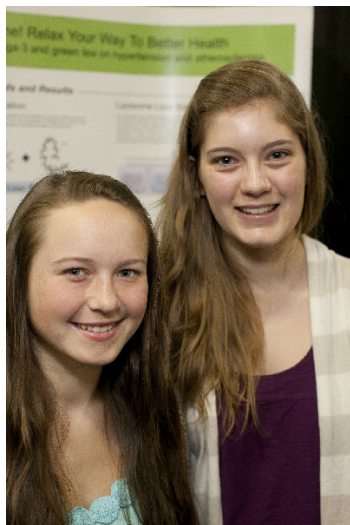


CWSF 2011 - Toronto, Ontario



Hannah Boone, Megan Howse

Tea Time! Relax Your Way to Better Health

Challenge: Health

Category: Intermediate

Region: Eastern Newfoundland

City: St. John's, NL, Mount Pearl, NL

School: St. Paul's Jr. H.S., O'Donel H.S.

Abstract: Our project studied whether a compound of EGCG and DHA would have beneficial effects on atherosclerosis and hypertension. Our compound was well absorbed into liposome lipid bilayer, with a mean absorbance rate of 72%. Our compound encouraged dilatation and inhibited contraction in a rat-aorta model, indicating that it's a vaso-dilator. It also inhibited angiotensin converting enzyme (ACE) activity by 100%, demonstrating significant anti-hypertensive effect.

Biographies

Hannah - My name is Hannah Boone. I'm 14 and in grade nine French Immersion at St. Paul's Junior High, in St. John's Newfoundland. I'm very involved with my school. I am a member of the volleyball team, track team, choir, concert band, jazz band and string ensemble. Outside of school, most of my time is occupied by volleyball because I play on three teams. I also enjoy swimming, soccer and running. I'm in two other bands and a choir at my church, as well as an orchestra. I'm also in violin, piano and trumpet lessons. Apart from that I enjoy volunteering, tutoring, reading and traveling. I'm also a member of the Duke of Edinburgh program. Recently, one ...

Megan - My name is Megan Howse and I am a level 1 french immersion student at O'Donel High School in Mount Pearl, Newfoundland. I am a member of the concert band, jazz band, choir and junior girls volleyball team at O'Donel. Outside of school, I am very involved in my community. I am a member of Shallaway-Newfoundland and Labrador Youth In Chorus, with whom I travelled to France, Belgium and the Netherlands this year. I am also a member of my church youth band, choir and senior band. I also take piano and voice lessons, and volunteer with my church youth group and teach Sunday school. In my free time I enjoy reading and traveling. Recently, Hannah an...

Awards

Value

Canadian Society for Medical Laboratory Science Award Intermediate Sponsor: Canadian Society for Medical Laboratory Science	\$750
Cangene Corporation Award - Intermediate Sponsor: Cangene Corporation	\$750
Challenge Award - Health - Intermediate Sponsor: Canadian Institutes of Health Research	\$750
Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	\$1 500
The University of Western Ontario Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: University of Western Ontario	\$4 000
Total	\$7 750

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