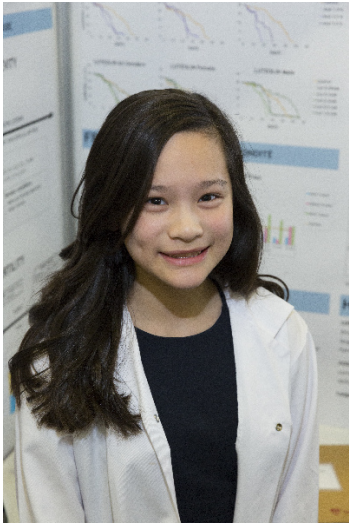


CWSF 2018 - Ottawa, Ontario



Allison Engo

How Fly Are Antioxidants?

Challenge: Health

Category: Intermediate

Region: Montreal

City: Lasalle, QC

School: Académie Royal West

Abstract: *Drosophila melanogaster* were exposed to antioxidants to determine the effects on their longevity and fertility. The variables were: form of antioxidant (Acai fruit vs Luteolin supplement), the concentration of antioxidant, gender, and age. It was discovered that exposure to antioxidants is harmful to fruit fly longevity. Also, antioxidants did not improve young fly fertility significantly. In certain cases, antioxidants doubled the fertility of older flies.

Biography

Allison Engo is a secondary iii student at Royal West Academy. She has a passion for the sciences, music, and languages. She competes in synchronized swimming, public speaking and debate teams while remaining on the principal list. On her spare time, she plays the flute and enjoys reading and baking.

Awards

Value

Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 000