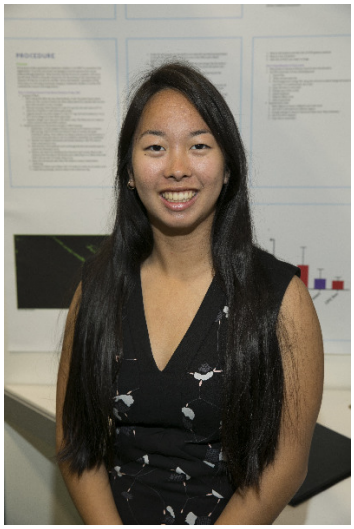
ESPC 2017 - Regina (Saskatchewan)



Katherine van Kampen

Slowing Neuronal Degeneration

Défi: Santé
Catégorie: Sénior
Région: Central Okanagan
Ville: Kelowna, BC
École: Aberdeen Hall Preparatory School
Sommaire: Calcium (Ca2+) influx plays an important role in cell death when concentration reaches toxic levels. At normal levels, calcium is required for regular biological function. However, scientific reports show that calcium enters the cell during degeneration. If we were to stop the wave of calcium that enters the cell before apoptosis, we could potentially slow the degeneration of the cells.

Biographie
Katie van Kampen is graduating this year and intends to pursue a career in paediatric surgery. Katie has a black belt in Kung Fu and has also won numerous awards at science fairs over the past years. She enjoys playing piano, guitar, and drums, and is a T.A. for drama 7/8. She is a massive nerd and goes to scientific lectures for fun. She also works at UBCO in the Barker biochemical lab where she gets to play with corrosive acids, flammable liquids and dead mice.

Prix	Valeur
Prix d'excellence - Senior - Médaille de bronze Commanditaire: Sciences jeunesse Canada	
Bourse d'admission de l'Université d'Ottawa Médaillé de bronze, sénior ? Bourse d'admission de 1 000 $ Commanditaire: Université d'Ottawa	1 000,00 $
Bourse d'études de Western University Médaillé de bronze - Bourse d'admission de 1 000 $ Commanditaire: Université Western	1 000,00 $
Total	2 000,00 $

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