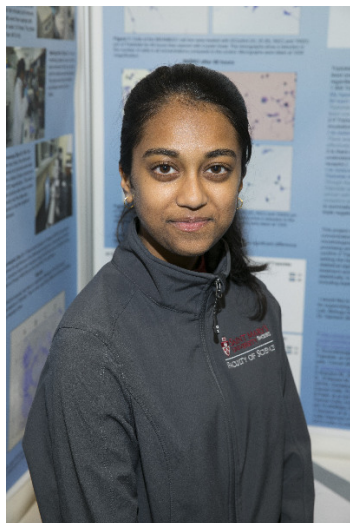


ESPC 2017 - Regina (Saskatchewan)



Anisha Rajaselvam

The Answer to Cancer: Killing Breast Cancer Cells with Triptolide

Défi: Santé

Catégorie: Junior

Région: Halifax

Ville: Halifax, NS

École: Sacred Heart School of Halifax

Sommaire: For my project, I added three concentrations of Triptolide (the chemical extract of a Chinese herb) to four different cell lines of breast cancer; each with a different combination of proteins. One of them was a triple negative breast cancer cell line; the hardest type of breast cancer to treat. Triptolide was effective in killing all cell lines, including the triple negative, in 24-48 hours.

Biographie

Hi! My name is Anisha Rajaselvam and I am a grade 7 student at the Sacred Heart School of Halifax. I enjoy many extra-curricular activities, ranging from piano to dance to girl guides. I love math, science, English, art and music, but science is definitely the winner! I have won national math contests such as the Math Kangaroo and the Mathematica Centrum. I have also won regional and national French competitions and even had the opportunity to attend an international French contest. I earned the Lady Baden Powell award in guiding. When someone very close to me was diagnosed with cancer I learned about the disease and the side effects of its treatments. I got interested in ancient beliefs in natural herbs that cured cancer. The "Thunder God Vine" sparked my interest; it is a Chinese herb believed to cure cancer but nobody has ever tested to see if it really does and if so, how. With my project I added the extract of this herb to breast and lung cancer cells to see what would happen. I am planning to continue this intriguing project and hopefully continue to work in the medical field in the long run.

Prix

Valeur

Prix d'excellence - Junior - Médaille d'or Commanditaire: Sciences jeunesse Canada	250,00 \$
Bourse d'études de Western University Médaille d'or - Bourse d'admission de 4 000 \$ Commanditaire: Université Western	4 000,00 \$
Total	4 250,00 \$