

CWSF 2017 - Regina, Saskatchewan



Maya Mikutra-Cencora

L'Alzheimer avant la plaque A?

Challenge: Health

Category: Intermediate

Region: Montréal RM

City: L'Île-Bizard, QC

School: Collège Jean-de-Brébeuf

Abstract: Une des principales caractéristiques d'Alzheimer est l'accumulation d'amyloïde bêta (A?) extracellulaire en plaques dans le cerveau. Mon étude porte sur les étapes d'Alzheimer avant les plaques et explore la théorie que la mort de neurones par excitotoxicité (un phénomène observé dans l'Alzheimer), cause l'infiltration d'A? intracellulaire (intranéuronal) dans le milieu extracellulaire, ce qui pourrait mener à la formation de plaques.

Biography

My name is Maya Mikutra-Cencora. I am sixteen and have always been very interested in science, as well as in math. I have participated in many different math and science competitions. Among these, in 5th grade I was 1st in Quebec in the AQJM math contest and went to the international final in Paris, where I won 20th place in the world. I also participate in Optimaths and the University of Waterloo contests regularly. This year, I participated in the Michael Smith Science Contest, where I was in the top 3% in Canada. I also enjoy languages and writing, and I have won numerous writing contests in English and French, as well as being 2nd in Canada in a Latin Contest this year. At the same time, I volunteer every week with children with mental disabilities at an organisation called WIAIH, and I am a member of my school's soccer team. I play piano, ukulele, and I am now learning to play the violin. I am very lucky to have had the opportunity to do all of these things and to go to a school with 35 great classmates who have chosen me as their co-president for the third year.

Awards

Value

Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	\$250
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 250