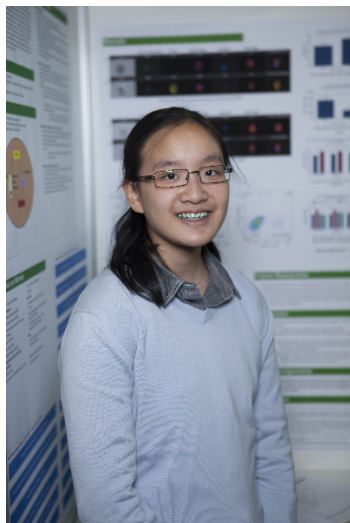


ESPC 2013 - Lethbridge (Alberta)



Janice Pang

Inflammation in Pancreatic Islets: Contribution of Islet Macrophages

Défi: Santé

Catégorie: Intermédiaire

Région: Greater Vancouver

Ville: Coquitlam, BC

École: Pinetree Secondary School

Sommaire: Pancreatic islets were treated with IAPP to identify whether IAPP activates caspase-1 in pancreatic islets. The effects of islet macrophages on insulin secretion and production was also investigated. This study provides a better understanding of the pathogenesis of type 2 diabetes and suggest a therapeutic treatment in which the stimulus of inflammation can be targeted, to improve insulin secretion and beta cell function.

Biographie

My name is Janice Pang, and I'm currently in grade 9. In school, I actively take part in the grade 9 advisory council and is a member of the volleyball team. Outside of school, I enjoy going curling and competing in the Optimist Junior Curling League. Previously, I have participated in the 2012 Canada-Wide Science Fair. This year microbiology continues to be an interest of mine. To have the opportunity to continue conducting experiments in a research lab was amazing. The passion I had for learning about the pathogenesis of type 2 diabetes had inspired me to do this project. In the future, I hope to continue researching about type 2 diabetes. As well, if students are thinking about doing a project, starting early will be the key to success.

Prix

Valeur

Prix du Groupe de biostatistique de la Société statistique du Canada Commanditaire: Groupe biostatistique, Société statistique du Canada	750,00 \$
Prix du défi - Santé - Intermédiaire Commanditaire: Instituts de recherche en santé du Canada	750,00 \$
Prix d'excellence - Intermédiaire - Médaille d'or Commanditaire: Sciences jeunesse Canada	700,00 \$
Bourse d'études de Western University Médaille d'or - Bourse d'admission de 4 000 \$ Commanditaire: Université Western	4 000,00 \$
Total	6 200,00 \$