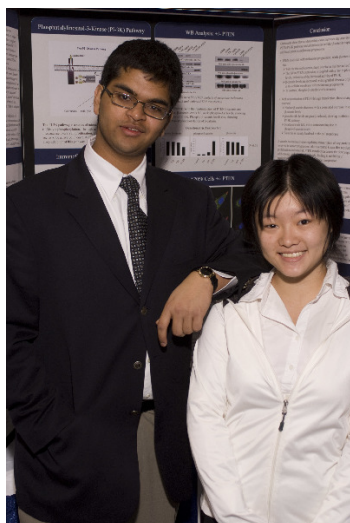


ESPC 2010 - Peterborough (Ontario)



Xinran (Hannah) Yu, Amit Persad

PTEN: Halting Progression of Metastatic Melanoma

Division: Sciences de la terre et de l'environnement

Catégorie: Sénior

Région: Edmonton

Ville: Edmonton, AB

École: Old Scona School

Sommaire: β -catenin, a multifunctional protein involved in cell-cell adhesion and transcription of harmful oncogenes, is deregulated in about 50% of melanomas. However, its regulatory pathway, Wnt, is abnormal in only about 5% of melanomas. PTEN, an important tumour suppressor and key inhibitor of the PI-3K pathway, is downregulated in melanoma. We reintroduced PTEN to metastatic melanoma cells to observe the effect on β -catenin expression and localization.

Biographies

Xinran (Hannah) - I am currently attending Old Scona High School and is currently in grade 10. At school, I have joined Unicef club so that I am able to help out with charity. Along with Unicef, I am also in the OSA magazine club and has taken the position of one of the photographers. My biggest talent and hobby is playing the violin. I have been playing the instrument for 8 years and have won many certificates and scholarships from competitions. However, I desperately wish to learn piano. Due to a lack of time, that dream is unachievable.

Amit - My name is Amit Persad and I am a twelfth grade student attending Old Scona Academic High School in Edmonton, Alberta. I began attending Old Scona in the fall of 2007, immediately finding interest in the cell biology aspect of the biological sciences. My activities are by no means limited to academia; I participate in competitive swimming and volunteer regularly at the Stollery Children's Hospital. My adventures in cancer research began just last summer, where I was given a position as a summer project student working on the PTEN/Melanoma project. Some of the important figures to be used in the melanoma paper have been produced by myself. I wa...

Prix	Valeur
Bourses d'admission de la Faculté des sciences de l'Université Dalhousie	4 000,00 \$
Bourse de début d'études de 4 000 \$	
Commanditaire: Université Dalhousie, Faculté des sciences	
Prix d'admission en sciences de UBC (Vancouver)	4 000,00 \$
Médaille d'or, sénior - Bourse d'admission de 4 000 \$	
Commanditaire: The University of British Columbia (Vancouver)	
Bourse d'admission de l'Université d'Ottawa	20 000,00 \$
Médaille d'or, sénior ? Bourse d'études de 20 000 \$ (5 000 \$ par année pendant 4 ans)	
Commanditaire: Université d'Ottawa	
Bourse d'études de l'Université Western Ontario	4 000,00 \$
Médaille d'or - Bourse de début d'études de 4 000 \$	
Commanditaire: Université Western Ontario	
Médaille d'or - Biotechnologie et les sciences pharmaceutiques	1 500,00 \$
Sénior	
Commanditaire: Sciences jeunesse Canada	
Total	33 500,00 \$