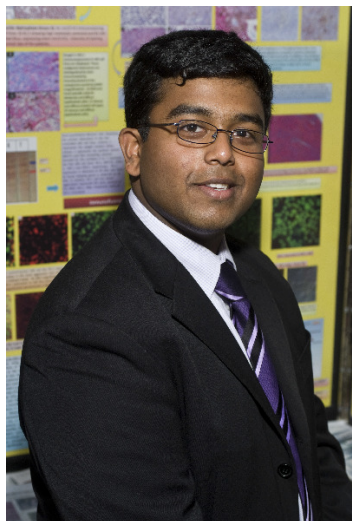


ESPC 2010 - Peterborough (Ontario)



Abicumaran Uthamacumaran

Kicking Cancer With KAI-1

Division: Internationale

Catégorie: Intermédiaire

Région: Montreal

Ville: Montréal, QC

École: Académie Marymount

Sommaire: The effects of upregulating the metastasis suppressor gene KAI-1 was characterized in uveal melanoma throughout various in vitro assays, confocal microscopy, immunohistochemistry and immunoblotting techniques. This application significantly reduced the metastatic potential and tumorigenic properties of the tumour cell lines. In conclusion, it's a novel therapeutic target in cancer research.

Biographie

Since the age of three, I knew that I wanted to pursue a career in the health sciences. In grade 5, I went to Japan for an International robotic competition and, in 2006 I went to Germany for another science competition and won gold. Last year's project "Cracking cancer with CRK (found an anti-metastatic therapeutic) won third place at the International Science and Technology Fair in Reno, Nevada. This year, with my project that aimed to develop a novel cancer therapeutic target won a total of 14 grand awards at the regional and provincial science fairs along with gold medals. Other than my outstanding performance in academics and my great passion for the sciences, I also have great interests for the arts because to me, they are juxtaposed. I've been in medical research since the age of thirteen, and I also help out the community as an IB student (ex: Leadership/environmentalist programs, youth coalition against smoking, hospital volunteering, etc). I associate humanist principles (ex: equality), factors associated to my daily life and scientific propositions such as the chaos theory, in my cancer research. Getting an M.D/PHD and hopefully, a Nobel Prize in Medicine in the future is my ultimate goal.

Prix

Valeur

Prix de la Société canadienne de science de laboratoire médical Intermédiaire	750,00 \$
Commanditaire: Société canadienne de science de laboratoire médical	
Prix Australian National Youth Science Forum	2 500,00 \$
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 - Sciences de la santé - Intermédiaire	1 500,00 \$
Commanditaire: Instituts de recherche en santé du Canada	
Total	8 750,00 \$

Sciences jeunesse Canada

B.P. 297

Pickering (Ontario) L1V 2R4

www.youthscience.ca / info@youthscience.ca

416-341-0040