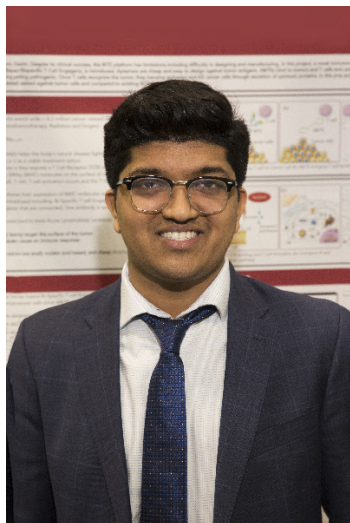


ESPC 2019 - Fredericton (Nouveau-Brunswick)



Bhavya Mohan

Taking ABiTE out of Cancer: A Novel Aptamer based BiTE for Cancer Immunotherapy

Défi: Santé

Catégorie: Intermédiaire

Région: Ottawa

Ville: Ottawa, ON

École: Colonel By S.S.

Sommaire: Bi-Specific T Cell Engagers (BiTE) is a current immunotherapy platform. Despite its clinical success, BiTEs have several limitations which make them less effective. In this project, a novel immunotherapy platform is introduced: ABiTES (Aptamer based BiTEs). ABiTES help immune cells recognize cancer cells and are safer, cheaper and more effective than BiTEs. ABiTES could provide patients a better and affordable alternative to current immunotherapies.

Biographie

I am a grade 10 student from Ottawa currently attending the International Baccalaureate program at Colonel By Secondary School. Since a young age, I have been curious about the world and have developed a passion for science. I have been doing scientific research for the past 6 years and have explored various fields including nanotechnology in cancer, disease diagnostics and now immunology. With my past projects, I have competed at the Canada Wide Science Fairs (CWSF). This year I have developed a cheaper, safer and more effective treatment for cancer treatment. I am doing my research at Dr. William Willmore's lab at Carleton University. I hope that, one day, my treatment will be used to treat all cancer types and become more accessible to patients. Apart from science, I am interested in public speaking, graphic design, and basketball. I have participated in many competitions in these fields and have also served as a grade representative at my school. I recommend to other students to find a passion and invest their energies in further exploring these field to be creative and innovative.

Prix

Valeur

European Union Contest for Young Scientists Commanditaire: La Fondation Gwyn Morgan et Patricia Trottier	3 000,00 \$
Prix pour l'innovation Ted Rogers - Toutes catégories Commanditaire: Rogers Communications Inc.	2 000,00 \$
Prix d'excellence - Intermédiaire - Médaille d'or Commanditaire: Sciences jeunesse Canada	
Prix du défi - Santé - Intermédiaire Commanditaire: Sciences jeunesse Canada	
Bourse d'études de Western University Médaille d'or - Bourse d'admission de 4 000 \$ Commanditaire: Université Western	4 000,00 \$
Prix Jeunesse innovante - Intermédiaire Commanditaire: La Fondation Gwyn Morgan et Patricia Trottier	750,00 \$
Prix Platine - Meilleur projet intermédiaire Commanditaire: Sciences jeunesse Canada	
Prix du meilleur projet Commanditaire: Sciences jeunesse Canada	
Total	9 750,00 \$