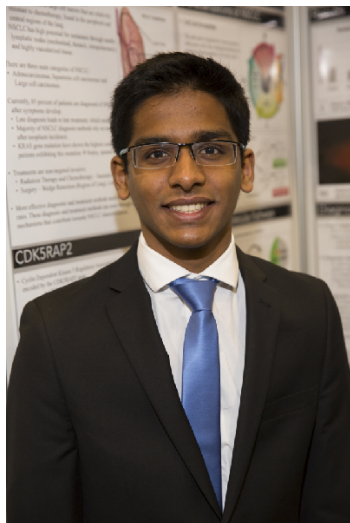


CWSF 2016 - Montreal, Quebec



Sunand Kannappan

CDK5RAP2 Novel Approach to NSCLC Diagnosis and Therapeutics

Challenge: Health

Category: Senior

Region: Calgary Youth

City: Calgary, AB

School: Sir Winston Churchill High School

Abstract: Non-Small Cell Lung Cancer is the most prevalent form of lung cancer, with over 1 million deaths annually due to non-targeted diagnostics and therapeutics. This investigation focused on CDK5RAP2, a protein involved in NSCLC characterizations. CDK5RAP2 increased diagnostic specificity by 400% and depletion reduced cancer cell growth by nearly 30%. CDK5RAP2 was also structured using homology modelling, along with a ligand for future therapeutic development.

Biography

Hi! My name is Sunand Kannappan, and I'm a Grade 11 student from Sir Winston Churchill High School in Calgary, Alberta. I've always had an interest for science and truly appreciate the chances I have had to participate in science fairs and express my passion for science. More than presenting my scientific research, I love the chance that CWSF offers to meet great people from across the nation. Last year's science fair in Fredericton was great and I really look forward to this year's science fair in Montreal!

Awards

Value

Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2500 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Ottawa	\$2 000
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$8 500