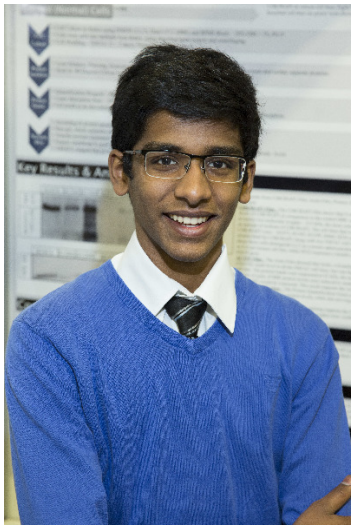
CWSF 2014 - Windsor, Ontario



Sunand Kannappan

Investigating the Correlation Between CDK5RAP2 and NSCLC

Challenge: Health
Category: Intermediate
Region: Calgary Youth
City: Calgary, AB
School: Tom Baines Junior High School

Abstract: Non Small Cell Lung Cancer (NSCLC) accounts for 80% of Lung Cancers. NSCLC and Cancer in general, are fundamentally the dysregulation of cell cycle. CDK5RAP2 is a little-known protein that contributes to cell cycle progression and possibly dysregulates cell cycle. My project investigated the correlation between CDK5RAP2 expression and NSCLC. My findings show that CDK5RAP2 is upregulated in 87.5% of tested NSCLC cell lines.

Biography

My name is Sunand Kannappan and I am a Grade 9 Student at Tom Baines Junior High School in Calgary, Alberta. I love Science and have been able to express that passion over the last few years at the Calgary Regional Science Fairs. Over the last two years my interests have leaned towards Cancer Biology, but I am still not sure what I would like to pursue in the future. Also, in the last year, I have had the pleasure of conducting my experiments in a lab environment at the University of Calgary and it has expanded the possibilities and limits of my scientific research and understanding. Apart from Science and Science Fairs, I enjoy sports and arts. I play school and competitive community basketball and practice Shotokan Karate. In the arts domain, I sing Indian Classical Music and am part of the Mount Royal University Choir. I also participate in Debate, Robotics and Math Contests on a provincial level. I am also part of school councils and Student Voice groups. I am very excited about the CWSF Windsor experience and I hope it turns out well for me!

Awards	Value
Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	$700
Western University Scholarship Gold Medallist - $4000 Entrance Scholarship Sponsor: Western University	$4 000
Total	$4 700