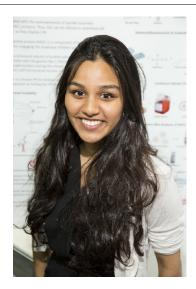




CWSF 2015 - Fredericton, New Brunswick



Biography

Constantly, I am driven by my curiosity for the cosmos around and within us; science stirs a response from me in every moment it occupies my mind (which is most of the time). To anyone contemplating whether or not to enter a science-fair, or to anyone "sizing up the competition", we lose ourselves in the moment we are complacent with the world around us. So, as long as you keep asking the "whys" and "hows" and maintain perpetual curiosity, you have won. Perhaps not a medal or certificate, but something much grander: a renewed perspective on knowledge and life itself. Because, truly, this is the highest prize science can ever award anyone.

Deeksha Kundapur

Anticancer Therapy: Targeting MAD1 Overexpression with SGOL1 and PP2A Inhibition

Challenge: Innovation
Category: Senior
Region: Saskatoon
City: Saskatoon, SK

School: Walter Murray Collegiate

Abstract: Though current anticancer therapies combat cancer effectively, they

simultaneously cause harm to regularly functioning cells. This is because things such as radiation-therapy and chemotherapy target cancerous tissue in a non-specific way. This project targets the genomic interactions that characterize cancer cells in order to effectively and also selectively kill them. Based on a concept called 'Synthetic Dosage Lethality', two novel

genetic interactions were identified.

Awards	Value
Excellence Award - Senior - Silver Medal	
Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship	\$2 500
Senior Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
University of New Brunswick Canada-Wide Science Fair Scholarship	\$2 500
Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: University of New Brunswick	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: Western University	
Total	\$11 000



