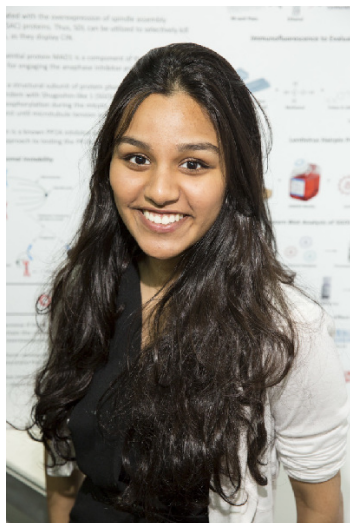


CWSF 2015 - Fredericton, New Brunswick



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.

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.

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 New Brunswick Canada-Wide Science Fair Scholarship Silver Medallist - \$2500 Entrance Scholarship Sponsor: University of New Brunswick	\$2 500
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	\$11 000