



CWSF 2017 - Regina, Saskatchewan



Novel Pediatric Cancer Therapy: Targeting Epigenetics to Induce Differentiation

Challenge: Health Category: Senior

Region: City: School:

Abstract: An Enhancer of Zeste Homolog 2 (EZH2) inhibitor was investigated for it's

effect on differentiation pathways in neuroblastoma cells. Differentiation is the process of specializing and maturing, by inducing this in neuroblastoma it allows for better treatment outcomes and lower chance of relapse in patients. The inhibitor shows promise as a new therapeutic agent for

treating neuroblastoma through differentiation.

Awards	Value
University of Ottawa Undergraduate Research Scholarship Award	\$10 000
Senior	
Sponsor: University of Ottawa, Faculty of Science	
Youth Can Innovate Awards - Senior	\$1 000
Sponsor: The Gwyn Morgan and Patricia Trottier Foundation	
Challenge Award - Health - Senior	
Sponsor: AstraZeneca Canada	
Excellence Award - Senior - Gold Medal	\$250
Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship	\$5 000
Senior Gold Medallist - \$5000 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$4 000
Senior Gold Medallist - \$4000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
University of Manitoba Entrance Scholarship	\$5 000
Senior Gold Medallist - \$5000 Entrance Scholarship	
Sponsor: University of Manitoba	
University of Ottawa Entrance Scholarship	\$4 000
Senior Gold Medallist - \$4,000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$4 000
Gold Medallist - \$4000 Entrance Scholarship	
Sponsor: Western University	
Best Project Award	\$2 500
Sponsor: Youth Science Canada	
Total	\$35 750



