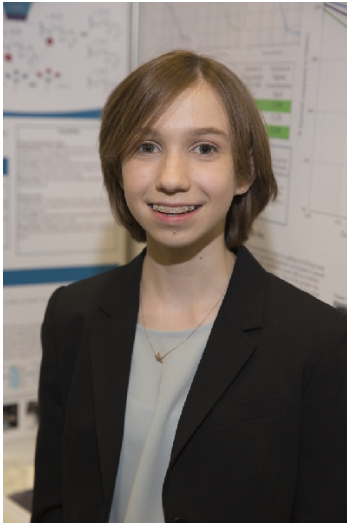


CWSF 2016 - Montreal, Quebec



Inhibition of EZH2 in Neuroblastoma Cells

Challenge: Health

Category: Intermediate

Region:

City: ,

School:

Abstract: Neuroblastoma is one of the deadliest pediatric cancers. Enhancer of zeste homolog 2 (EZH2) is a histone methyltransferase involved in methylation, a cellular process used to silence genes. EZH2 was targeted using the drug 3 deazaneplanocin A (DZNep) in a drug cytotoxicity assay. In the assay I confirmed the inhibition of neuroblastoma cell growth and apoptosis was confirmed through western blot protein analysis.

| Awards | Value |
|---|---------|
| Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada | |
| Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University | \$2 000 |
| Total | \$2 000 |