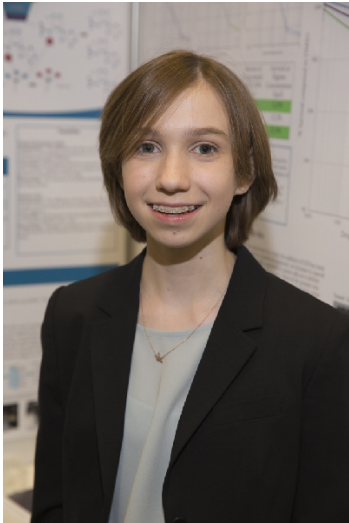


# CWSF 2016 - Montreal, Quebec



## 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