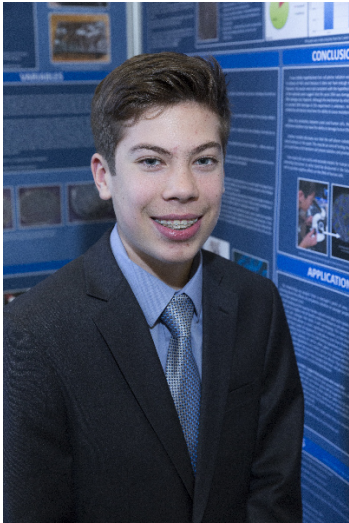


CWSF 2018 - Ottawa, Ontario



A Unique Approach to Test the Effects of Cell Phone Radiation using Yeast Cells

Challenge: Health

Category: Junior

Region:

City: ,

School:

Abstract: This experiment exposed cultures of *Saccharomyces cerevisiae*/Baker's Yeast (HA2 strain) to cell phones so the mutagenicity of non-ionizing radiofrequency (RF) radiation emitted by cell phones could be tested. Results showed a statistically significant increase ($p=0.0026$) in the mutation rates of the cultures exposed to RF radiation compared to the control cultures. These results suggest that cell phone (RF) radiation may have implications for human health.

Awards	Value
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 000