

CWSF 2014 - Windsor, Ontario



Cameron Lennox

Au-delà de Pasteur

Challenge: Discovery

Category: Senior

Region: Montréal CLS

City: Montreal, QC

School: Collège de Montréal

Abstract: Experiments were conducted in a chemistry lab to verify the chirality of Magnesium Sulfate. Findings demonstrate an example of natural homochirality in a structurally chiral substance. Furthermore, Tartaric acid was crystallized for the basis of developing a simple chiral deviator./ Des expérimentations ont été effectuées en laboratoire afin de vérifier la chiralité des cristaux de sulfate de magnésium. Des résultats obtenus démontrent un exemple d'homochiralité.

Biography

I am a secondary 5 (grade 11) high school student attending Collège de Montréal. I am a competitive cross country skier and avid cyclist. I plan to continue working in chemistry, hopefully one day becoming a research chemist at a university. I will continue conducting research for this project during the upcoming summer at Concordia University Chemistry department under the supervision of Dr. Cuccia. The best advice I have to tell students thinking about doing a project, would be to I advise all students thinking about working on a project to contact local universities. The more specialist you talk to, the better your project will be.

Awards

Value

The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation	\$500
The Manning Innovation Achievement Award and \$4000 Manning Young Canadian Innovation Award Sponsor: Ernest C. Manning Awards Foundation	\$4 000
Excellence Award - Senior - Gold Medal Sponsor: Youth Science Canada	\$700
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University of Manitoba Entrance Scholarship Senior Gold Medallist - \$5000 Entrance Scholarship Sponsor: University of Manitoba	\$5 000
University of Ottawa Entrance Scholarship Senior Gold Medallist - \$4,000 Entrance Scholarship Sponsor: University of Ottawa	\$4 000
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$27 200

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040