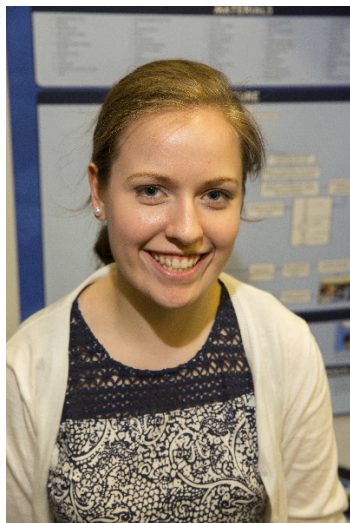


CWSF 2014 - Windsor, Ontario



Emily O'Reilly

Ancient Knowledge - Modern Approach

Challenge: Discovery

Category: Senior

Region: Central Interior British Columbia

City: Prince George, BC

School: College Heights Secondary

Abstract: The apricot kernel is believed to have a great medicinal value in many cultures. Through integrated technologies, adapted and modified methods, and a thorough statistical analysis, I was able to devise a novel approach that may be used to treat bacterial infections that are correlated to stomach ailments.

Biography

My name is Emily O'Reilly. I am 16 years old and in grade 11. This will be my fourth time attending the CWSF. At the Central Interior Science Exhibition my project received a gold medal, The Darrel W. Dimler Judges Choice Award, UNBC Mathematics and Statistics Award, Genome BC Scholarship Nomination Award, Best in Category Biotechnology & Pharmaceutical Sciences, BCIC Young Innovator Scholarship and Best in Exhibition. At school I am on the Principals list and actively participate in Senior Leadership, President of Rotary Interact, and was the top debater at the Northern Academic Debate Championship. In addition I was also a recipient of The Leading Spirits Award by Enbridge and received the Prince George Youth of the Year Honourable Mention Award. I play the violin in the senior school band and in the music ministry at my church. In addition, I play classical piano - grade 8 repertoire, hold an orange belt in judo, enjoy cross country skiing and running. My project was inspired by a story my grandfather shared with me one day. The best advice I can give to students is "You don't know until you try; you have the potential to change the world!"

Awards

Value

Excellence Award - Senior - Gold Medal Sponsor: Youth Science Canada	\$700
Dalhousie University Faculty of Science Entrance Scholarship Senior Gold Medallist - \$5000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$5 000
UBC Science (Vancouver) Entrance Award Senior Gold Medallist - \$4000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$4 000
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	\$22 700