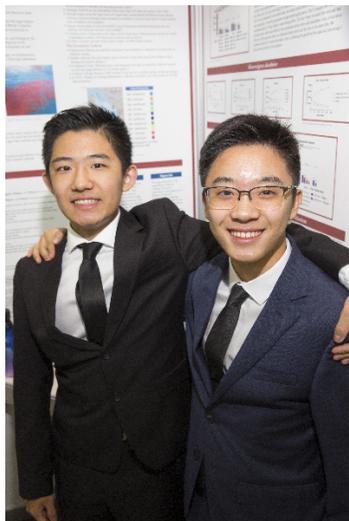


CWSF 2019 - Fredericton, New Brunswick



Andy Liang, Alexander Sun

Novel Treatment of Algal Blooms with Viral Transfection and Barley Straw Extract

Challenge: Environment

Category: Intermediate

Region: Greater Vancouver

City: Vancouver, BC

School: Eric Hamber Secondary

Abstract: Around the world, toxic algae blooms kill countless animals and marine life, causing billions of dollars of damage every year. Our project tested different ways to kill these blooms. This project is the first of its kind to compare different treatment methods to one another. Our research can be applied to real-world scenarios to help fish farms and beaches combat these toxic algae blooms.

Biographies

Andy - Andy is a grade 10 student in Vancouver, BC. He enjoys programming and playing video games in his free time. He has participated in many math competitions and programming competitions. He came up with this project after reading about the devastating effects of algal blooms. Andy plans to contact local fish farms and beaches to test out the results of his project in real-world scenarios. A piece of advice that Andy would give to other students is to do a project that they are interested in. There's no point in wasting time on a project that you don't like.

Alexander - Alexander Sun is a grade 10 student from Vancouver, BC. In his free time, he enjoys hanging out with his friends and playing video games. His favourite sport is Taekwondo, which he has pursued since elementary school. While browsing the news, Alexander was shocked to see the devastation caused by red tide algal blooms. He did some research and found that this was an ongoing issue that had no solution. He got into contact with his friend Andy, and together they ran experiments trying to find the best way to combat these algal blooms. He plans to contact numerous local fish farms and beaches about the possibility of implementing his research in...

Awards

Value

Ted Rogers Innovation Awards - All categories Sponsor: Rogers Communications Inc.	\$2 000
Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$3 000