

Team Canada-ISEF 2019 Announced

Sun, 2019-03-17 16:58 -- Reni Barlow

Featured Image:



Eight of Canada's top high school scientists have been selected by Youth Science Canada to represent the country at the 2019 Intel International Science and Engineering Fair (Intel ISEF) from May 12-18 in Phoenix, Arizona. Intel ISEF is the world championships of science fairs.

Team Canada-ISEF 2019 was selected by a distinguished panel of 19 university faculty, researchers, educators and Team Canada-ISEF alumni through a competitive national selection process that began in October and concluded today.

"We are always amazed by the quality of projects submitted for the Team Canada-ISEF selection process," says Dr. Patrick Whippey, Selection Committee Chair. "The research and development work being done by these high school students is approximately at the Master's degree level, which speaks volumes about this country's future in science and technology."

"Canada's top young scientists and engineers are truly world-class," says Reni Barlow, Executive Director of Youth Science Canada, the national charitable organization responsible for science fairs and the Team Canada-ISEF program. "Team Canada-ISEF members have won the US\$75,000 top award at the event in two of the past four years - a remarkable achievement considering they were competing against 1,800 top students from over 75 countries."

This year's team includes two Grand Award winners from Canada-Wide Science Fair 2018 and projects from Alberta, British Columbia, Ontario and Nova Scotia. Team members include (left to right, top to bottom in photo):

- Aaron Abraham - Calgary, AB
NMF-based machine learning to identify biomarkers for Alzheimer's disease diagnosis
- Nicolas Fedrigo - Victoria, BC
Improving Spinal Fusions: Redesigned Pedicle Probe to Prevent Vertebral Breaches
- Kevin Hu - Waterloo, ON
A Novel Computational Model to Classify Subcellular Protein Localizations
- Dheiksha Jayasankar - St. Catharines, ON
NanoAOX: Localization of Antioxidants via Nanoparticles to Enhance Plant Growth

- Brendon Matusch- Sudbury, ON
Improving Particle Classification in WIMP Dark Matter Detection Experiments Using Neural Networks
- Michelle Song - Wolfville, NS
The Use of Yeast to Prevent Fungal Diseases in Horticultural Produce
- Kamron Zaidi & Sabrina Zaidi - Richmond Hill, ON
The Effect of Surface Tension on Plant Growth in Fogponics

Team Canada-ISEF is a program of Youth Science Canada [1] and is generously supported by Youth Can Innovate [2], a program of The Gwyn Morgan and Patricia Trottier Foundation.

About Youth Science Canada Youth Science Canada fuels the curiosity of Canadian youth through science, technology, engineering, and mathematics (STEM) projects. A national, registered charitable organization since 1962, we work to ensure that Canadian youth have the capacity and skills to generate and answer questions, and identify and solve problems in STEM.

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Links

[1] <http://youthscience.ca>

[2] <http://youthcaninnovate.ca>

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