

## Team Canada-ISEF 2018 Announced

Sun, 2018-03-18 18:03 -- 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 2018 Intel International Science and Engineering Fair (Intel ISEF) from May 13-18 in Pittsburgh, Pennsylvania. Intel ISEF is the world championships of science fairs.

Team Canada-ISEF 2018 was selected by a distinguished panel of 23 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 Whippley, 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 three years - a remarkable achievement considering they were competing against 1,800 top students from over 75 countries."

This year's team includes 2 Intel ISEF veterans and all three Grand Award winners from Canada-Wide Science Fair 2018 - from Alberta, Ontario and Saskatchewan. Team members include (left to right, top to bottom in photo):

- Colette Benko - Calgary, AB  
*A Novel Pediatric Cancer Therapy Targeting Epigenetics and Neuroblastoma Differentiation*
- Harkirat Bhullar - Saskatoon, SK  
*Battling Superbugs: A Machine Learning Framework for Identifying Novel Antibiotic Resistance Factors*
- Emily Cross - Thunder Bay, ON  
*Taphonomic Geochemistry of Fossil Bones from Marine and Terrestrial Fossilization Environments*
- Sajeev Kohli - Waterloo, ON  
*Recruiting Endogenous Proteins for Site Specific Transport: A Novel Workflow for Gene Carrier Design*

- Danish Mahmood - London, ON  
*W.I.N.I.T.S. (Wireless Interconnected Non-Invasive Triage System)*
- Tasnia Nabil - Windsor, ON  
*A Novel Computational Solution to Advance Ferromagnetic NanoTherapy to Cure Cancer*
- Crystal Radinski - Calgary, AB  
*Task-related EEG Coherence as a Marker of Alzheimer?s Dementia*
- Waleed Sawan - London, ON  
*Drip - A Precision Irrigation System for the Developing World*

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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