

Hydro-Québec  
Montreal Regional Science & Technology Fair

2019

Prize Winners by School

Concordia University

March 26, 2019



[www.sciencetech.ca](http://www.sciencetech.ca)

## *Centennial Academy*

*Electro-Fruit*  
Great Distinction  
McGill University - Chemistry Award

Lauren Harvey

## *Centennial Regional High School*

*Nasty Hall Pass*  
Distinction

Olivier Laperle

Justin Ferreira

*Shining Light on Oily Water*  
Distinction

Annika Pretty

*Spice It Up*

Great Distinction  
McGill University - Redpath Museum Award

Naveena Kaura

Keshini Shummoogum

*Thermal Powered Technology*

Mika Sauvageau  
Concordia University - Office of the Vice-President, Research and Graduate Studies  
Concordia University Expo-sciences Tuition Entrance Award  
Curium Award  
Gold Medal - Intermediate  
Highest Distinction  
McGill University - Faculty of Engineering Award  
Promoting Opportunities for Women in Engineering (POWE)  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Mika Sauvageau

*Toothbrush Trouble*  
Distinction

Olivia Hlopasko

Meiëve Tom

*WI-FIVE*

Bronze Medal - Intermediate  
Concordia University, Gina Cody School of Engineering and Computer Science, Award for Outstanding Achievement In Computer Science and/or Engineering  
Highest Distinction  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Zackary Murphy

Talyne Hezaran

## ***Dawson College***

### *Lighting Up the Brain*

Shaan Baig

Concordia University Faculty of Arts & Science, Department of Biology Award  
Highest Distinction  
Intel International Science & Engineering Fair (ISEF) Participation Award  
John Abbott College Science Award  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

### *The Fifth Sense*

Ian Langleben (Dawson College)

Liana Martins-Medina (Marianopolis College)

Concordia University, Gina Cody School of Engineering and Computer Science, Innovation Scholarship  
Gold Medal - Senior 2  
Highest Distinction  
Intel Excellence in Computer Science Award  
Intel International Science & Engineering Fair (ISEF) Participation Award  
McGill University - Faculty of Engineering Award  
McGill University - School of Computer Science (Non Robotics) Award  
Québec Science Award  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

## ***Emmanuel Christian School***

### *A Novel MG Disinfectant*

Jean-Martin Huaman

Highest Distinction  
McGill University - Faculty of Science Award  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

## *Hebrew Academy*

*Hyperloop - Travel Tubes*

Honorable Mention

David Fallenbaum

*Let us grow!*

Distinction

McGill University - Department of Plant Science Award

McGill University - Earth and Planetary Sciences Award

Eliana Eisenberg

*Lifting the Misconception*

Concordia University - Department of Mathematics and Statistics

Great Distinction

McGill University - Math and Statistics Award

McGill University - Physics Award

Mu Alpha Theta

Baruch Avigdor

*Living In A Bubble*

Honorable Mention

Alicia Kiessel

Aurelie Anidjar

*This Will Blow Your Mind*

Distinction

Odaya Azoulay

*Turning Murdock Into Daredevil*

Great Distinction

McGill University - Department of Civil Engineering & Applied Mechanics Award

Dov Vas

*What's up with Water?*

Distinction

Gavi Aspler

Josh Samuels

## Herzliah High School

<p><i>A Sunset in a beaker</i>                  Concordia University Faculty of Arts &amp; Science, Department of Physics Award                  Distinction</p>	<p>Hayley Langleben</p>	<p>Sarah Jacobson</p>
<p><i>A(eye)</i>                  Concordia University - Faculty of Arts and Science Award                  Concordia University Faculty of Arts &amp; Science Entrance Bursary                  Highest Distinction                  Silver Medal - Senior                  Super expo-sciences Hydro Québec (SESHQ) Experimentation &amp; Design Award</p>	<p>Jordan Levett</p>	
<p><i>Art of Artificial Arteries</i>                  Great Distinction                  Marianopolis College Science Award</p>	<p>Julia Langleben</p>	<p>Sarah Mashal</p>
<p><i>Light Therapy</i>                  Distinction</p>	<p>Oriel Gabbay</p>	
<p><i>Ménage à trois</i>                  Highest Distinction                  Hydro-Quebec Energy Award</p>	<p>Eric Dayan</p>	<p>Joel Dahan</p>
<p><i>See the Light</i>                  Distinction</p>	<p>Joshua Hazan Mea</p>	<p>Eleanor Greenspan</p>
<p><i>The Genetics Behind The Future</i>                  Distinction</p>	<p>Adam Elkaim</p>	<p>Nathanel Harell</p>
<p><i>The Speed Force Generator</i>                  Bishop's University – Faculty of Arts &amp; Science Award                  Great Distinction</p>	<p>Matthew Swieca</p>	
<p><i>Virus-Based Therapy</i>                  Bishop's University – Faculty of Arts &amp; Science Award                  Great Distinction</p>	<p>Noa Bouzaglo</p>	

## ***Kells Academy***

*Cleaning Water with Corncobs*  
Honorable Mention

Kevin Alonso Munoz Portocarrero Ariel Keren

*Fresh Cassava Plastic*  
Honorable Mention

Vincent Joly

*How Safe is Your Water?*  
Distinction

Malek Haddad

*Smart Fire Detector*  
Distinction

Armin Mohebbipour

*Socializing Applied*  
Honorable Mention

Salman Dajani

*Testing a New Tsunami Defence*  
Distinction

Logan Meehan Mansi

William Bernardi

McGill University - Earth and Planetary Sciences Award

*The EMF-Friendly Laptop Pad*  
ASM Materials Education Foundation

Omar Abdullah

Concordia University, Gina Cody School of Engineering and Computer Science Internship Awards

Highest Distinction

McGill University - Department of Electrical & Computer Engineering Award

*The Race to Relief*  
Distinction

James Levitt

*What's the deal with pinholes?*  
Distinction

Rafael Costa

## ***Kuper Academy***

*Reckless Recreation*  
Great Distinction  
Marianopolis College Science Award

Lauren Alexander

*Sight through Sound*  
Distinction

Mennah Eldaly

McGill University - Department of Civil Engineering & Applied Mechanics Award

## ***Lakeside Academy***

*Compost Wars*  
Distinction

Nikolai Mroczek-Winkiewicz      Lily Roussel

*DC Generator*  
Honorable Mention

Lex Sutton

*The Sky is the Limit*  
Champlain College, St. Lambert Award  
Great Distinction

Sebastien Galand

*The Universal Case*    Gavin More  
Distinction  
McGill University - Department of Mechanical Engineering Award

## ***LaSalle Community Comprehensive High School***

*Wander don't Wonder*  
Distinction

Lara Bucci

Shaan Mughal

## ***LaurenHill Academy***

*High Rise Stability*  
Association for Women Geoscientists  
Concordia University, Gina Cody School of Engineering and Computer Science Internship Awards  
Highest Distinction  
McGill University - Faculty of Engineering Award  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Alexandra Alfieri

## Laval Senior High School

<p><i>A Fight Against Malaria</i> College Prep International Science Award Great Distinction McGill University - Institute of Parasitology Award</p>	<p>Ioanna Tountas</p>	
<p><i>Alternative Fuel</i> ALCOA Foundation Award Antidote Award for the quality of language Highest Distinction McGill University – Department of Natural Resource Sciences Award</p>	<p>Evelyne Redjebian</p>	
<p><i>Aquatic Bacteria</i> Honorable Mention</p>	<p>Brandon Devito</p>	<p>Nadia Massa</p>
<p><i>Effects of Phosphate Pollution</i> College Prep International Science Award Great Distinction</p>	<p>Eleni Magafas</p>	<p>Katelyn Habib</p>
<p><i>Flash Life</i> CRIQ Innovative Manufacturer Award FP Innovations Award Great Distinction Intel International Science &amp; Engineering Fair (ISEF) Participation Award John Abbott College Science Award</p>	<p>Dylan Ribeiro</p>	
<p><i>Marshall's Fire Truck</i> American Psychological Association Award Concordia University, Gina Cody School of Engineering and Computer Science Internship Awards Great Distinction McGill University - Department of Electrical &amp; Computer Engineering Award McGill University - Psychology Award</p>	<p>Angel Pastis</p>	<p>Emily Bertrand-Oliver</p>
<p><i>Next Generation Water Filter</i> Concordia University, Gina Cody School of Engineering and Computer Science, Award for Outstanding Achievement In Mechanical and Industrial Engineering Distinction</p>	<p>Chris Storozuk</p>	<p>Emma Mazzone</p>
<p><i>Plantar Fasciitis Insole</i> ADRIQ Young Innovateur Award Highest Distinction Super expo-sciences Hydro Québec (SESHQ) Experimentation &amp; Design Award - Alternate</p>	<p>Mario Thomas Esposito</p>	<p>Fabrizio- Kim Rinaldi</p>
<p><i>Processed and Unprocessed food</i> Distinction</p>	<p>Julia Ricard</p>	
<p><i>The Science Behind Skincare</i> Great Distinction McGill University - Biology Award</p>	<p>Emilie Palumbo</p>	<p>Jennifer StRoch</p>



## *Macdonald High School*

*A Heated Topic*

Honorable Mention

David Lynch

Deven Tetley

*Blow my Mine*

Great Distinction

McGill University - School of Computer Science (Robotics) Award

Jonathan Guertin

*Fishy Business*

Distinction

McGill University - Department of Animal Science Award

West island College Environmental Science Award

Kieran Cabana

*Green Roof*

Distinction

Ashley Penny

Brandon Talisse

*Need for speed the EV way*

Honorable Mention

Alyssa Ball

Ryan Gaudette

*Portable House*

Concordia University - Science College Award

Highest Distinction

Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Pasha Jones

Adrianna Vutrano

*Toxic Water*

Honorable Mention

Courtney Bloxham

## *Marianopolis College*

### *Deep Tuberculosis Detection*

Champlain College, St. Lambert Award  
Great Distinction

Chang Heng Mo

Roselyn Lu

### *Nanocarriers in Cancer*

Concordia University - Library Award  
Highest Distinction

Biyao Wang

Claire Su

### *Spill Your Guts!*

Concordia University - Office of the Vice-President, Research and Graduate Studies  
Highest Distinction  
Merck "Exploring Minds" Award  
Silver Medal - Senior 2  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Jessica Liu

Marlene Liang

### *Studying Thyroid by MALDI-IMS*

Bronze Medal - Senior 2  
Concordia University - Department of Chemistry and Biochemistry Award  
Highest Distinction  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Maiuri Maheswaran

### *The Fifth Sense*

Concordia University, Gina Cody School of Engineering and Computer Science, Innovation Scholarship  
Gold Medal - Senior 2  
Highest Distinction  
Intel Excellence in Computer Science Award  
Intel International Science & Engineering Fair (ISEF) Participation Award  
McGill University - Faculty of Engineering Award  
McGill University - School of Computer Science (Non Robotics) Award  
Québec Science Award  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Ian Langleben (Dawson College)

Liana Martins-Medina (Marianopolis College)

## *Miss Edgar's & Miss Cramp's School*

<p><i>BUTT They Are Biodegradable</i> Great Distinction McGill University - Geography Award</p>	<p>Julia Duforest</p>	
<p><i>Crash Test</i> Bronze Medal - Senior Concordia University, Gina Cody School of Engineering and Computer Science Internship Awards Highest Distinction McGill University - Faculty of Engineering Award Super expo-sciences Hydro Québec (SESHQ) Experimentation &amp; Design Award Yale Science &amp; Engineering Association Award</p>	<p>Christina Macfarlane</p>	<p>Gigi Gelgor</p>
<p><i>From Pond to Pot</i> Concordia University - Office of the Vice-President, Research and Graduate Studies Highest Distinction</p>	<p>Grace Hollander</p>	<p>Molly Gunyon</p>
<p><i>Got the Nerve?</i> Great Distinction McGill University - School of Computer Science (Non Robotics) Award</p>	<p>Jesse Chittock</p>	<p>Zixi Li</p>
<p><i>On your marks, Get Set, Flash!</i> Concordia University, Gina Cody School of Engineering and Computer Science, Award for Outstanding Achievement In Computer Science and/or Software Engineering Great Distinction Reseau ACTION TI-Youth Award in Information Technology</p>	<p>Aneesa Khalid</p>	
<p><i>The advanced probing cane</i> Great Distinction Marianopolis College Science Award</p>	<p>Leah Razian</p>	
<p><i>The Pressure is On</i> Great Distinction McGill University - Biology Award</p>	<p>Arianne Zabbal</p>	<p>Christina Varvarigos</p>

## *Pierrefonds Comprehensive High School*

<p><i>Automated Aquarium</i> Distinction</p>	<p>Gabriel Jutras</p>	
<p><i>Improved roads</i> Distinction McGill University – Department of Mining &amp; Materials Engineering - Materials Engineering Award</p>	<p>Areeba Ahmed</p>	
<p><i>The Model Elevator</i> Honorable Mention</p>	<p>Michael Nehme</p>	<p>Clay Rabinovitch</p>
<p><i>Water Purification.</i> Cercles des jeunes naturalistes Award Concordia Institute of Aerospace Design and Innovation's (CIADI) Science and Engineering Summer Camp Award Concordia University Faculty of Arts &amp; Science, Department of Geography, Planning, and Environment Award Great Distinction McGill University – Department of Mining &amp; Materials Engineering - Mining Engineering Award Silver Medal - Junior</p>	<p>Joshua Riddoch</p>	

## ***Rosemere High School***

### *Down the Drain*

Bronze Medal - Junior

Great Distinction

McGill University - Department of Atmospheric and Oceanic Sciences Award

McGill University - Geography Award

Emilia Scozzari

### *EpiPack*

Highest Distinction

Ted Rogers Innovation Prize

Gabriella Matta

### *Hockey Pucks Need to Chill*

Distinction

McGill University - Math and Statistics Award

Kelsey Hungerbuhler

Madison Hungerbuhler

### *How Much Fat is in Your Food?*

Distinction

Léa Demers

Darcy Nobes

### *Magnetic Driving*

Concordia University - Office of the Vice-President, Research and Graduate Studies

Gold Medal - Junior

Highest Distinction

Ministere des Transports du Quebec

Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award - Alternate

Samuel Moniz

Anthony Lapointe

### *The Science Behind Taekwondo*

Concordia University Faculty of Arts & Science, Department of Exercise Science Award

Great Distinction

Anthony-Jason Campanelli

## ***Rosemount High School***

### *Visability*

Concordia University, Gina Cody School of Engineering and Computer Science Internship Awards

Great Distinction

McGill University - Department of Electrical & Computer Engineering Award

Yash Varde

Helena Goossens

## ***Royal West Academy***

<i>Anti-Cancer Natural Products</i> Distinction	Siena O'Neill	Ava Surette
<i>Flies Saving Lives</i> Antidote Award for the quality of language Dawson College Science Award Great Distinction	Isabelle Ouimet	
<i>Fog On, Fog Off</i> Concordia University Faculty of Arts & Science Entrance Bursary Highest Distinction McGill University – Department Bioresource Engineering Award McGill University - Faculty of Science Award Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award	Hajeong Seo	
<i>Graphene Supercapacitor</i> Antidote Award for the quality of language Concordia University, Gina Cody School of Engineering and Computer Science, Award for Outstanding Achievement In Electrical & Computer Engineering Great Distinction	Liam Gaither	Colin Evans
<i>Phospho-Filter</i> Great Distinction McGill University - Chemistry Award	Niall Cunningham	Thomas Giacobbe
<i>Rocket Recovery Alternative</i> Great Distinction McGill University - Physics Award	Simona Bruno	Nathaniel Bechard
<i>Space, The Final Frontier</i> Distinction	Christina Polichronopoulos	Stella Eleftheriotis
<i>The Poly-Phaeophyceae Method</i> Concordia University Expo-sciences Tuition Entrance Award Curium Award Gold Medal - Senior Highest Distinction Hydro Québec FIRST PRIZE - Best Overall Project Award Intel International Science & Engineering Fair (ISEF) Participation Award - Alternate McGill University - Department of Chemical Engineering Award Ricoh Sustainable Development Award Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award	Adelka Felcarek-Hope	Sofia McVetty

## ***Selwyn House School (Campus 1)***

<i>fun in the sun</i> Distinction	James Sabbagh
<i>Fusion Reactors</i> Antidote Award for the quality of language Distinction	Denis Dariotis
<i>HOW to Compost</i> Canadian Meteorological and Oceanic Society Award Great Distinction McGill University - Department of Food Science & Agricultural Chemistry Award	Oliver Delplace

## *The Study*

### *An Evolutionary Discovery*

Tara Seirafi

Highest Distinction

McGill University, Montreal Neurological Institute and Hospital - Excellence in Life Sciences Award

### *Aortic Dissection Detection*

Tessa Hason

Annika Waschke

Concordia University, Gina Cody School of Engineering and Computer Science Internship Awards

Highest Distinction

McGill University - Department of Electrical & Computer Engineering Award

Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award - Alternate

### *BioFantastics*

Millicent Penner

Concordia University - Centre for Structural & Functional Genomics Award for Biotechnology

Great Distinction

### *Dangerous Contact*

Florence Henrichon-Goulet

Sharlene Chen

Great Distinction

McGill University - Redpath Museum Award

### *Glow in the Park*

Julianna Farias

Concordia University Faculty of Arts & Science, Department of Psychology Award

Great Distinction

McGill University - Psychology Award

### *My Cup of Tea*

Mia Mei Fen Calandriello

Concordia University, Gina Cody School of Engineering and Computer Science Internship Awards

Concordia University, Gina Cody School of Engineering and Computer Science, Women In Engineering & Computer Science Awards

Highest Distinction

### *Riding The $\lambda$*

Taya Ismail

Honorable Mention

### *Sweet and Sour*

Rawan Alhashemi

Victoria Mo

Distinction

McGill University – School of Human Nutrition Award

### *Water We Gonna Do?*

Julia Capolicchio

Victoria Hason

Great Distinction

McGill University - Department of Atmospheric and Oceanic Sciences Award

### *Water: Life or Poison?*

Sara Cohen

American Meteorological Society Award

Concordia University - Office of the Vice-President, Research and Graduate Studies

Highest Distinction

McGill University - Faculty of Medicine Award

Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

## *Villa Maria High School*

*Marsarium*

Dawson College Science Award  
Great Distinction

Mickaela Di Paolo

Elena Mammias

## *West Island College*

*Bloody Truth About Coagulation*

Concordia University - Science College Award  
Great Distinction

Annabelle Roy

Brooklyn MacLean

*Candy to "Dye" For*

Great Distinction  
The Order of Chemists of Quebec Award

Erin Selinsky

Allison Love

*Casier de vos rêves*

Great Distinction  
McGill University - Department of Mechanical Engineering Award

Julina Dorsey

Sarah Scott

*Du remplissage sans effort*

Distinction

Raphaël Ghali

*Les poissons suffoquent!*

Distinction

Cassidy Eusanio

Emma Ristic

*L'innocent océan*

Honorable Mention

Eva Matlin

Kelly Morganstein

*Play Safe Cone*

Concordia University, Gina Cody School of Engineering and Computer Science, Award for Outstanding Achievement In Building,  
Civil & Environmental Engineering  
Highest Distinction  
Silver Medal - Intermediate  
Super expo-sciences Hydro Québec (SESHQ) Experimentation & Design Award

Coby Burah

Axel Conrad

*The Blooming Menace*

Distinction

Megan Gagliardi

Julia Corman

*Véri-Sac*

Distinction  
McGill University - School of Computer Science (Robotics) Award

Anna Shakhgildian