

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Prix du meilleur projet

Parrainé par: Sciences jeunesse Canada
Prix, en argent comptant 2 500 \$

Colette Benko [16] – Calgary Youth AB
Novel Pediatric Cancer Therapy: Targeting Epigenetics to Induce Differentiation

Prix Platine - Meilleur projet intermédiaire

Parrainé par: Sciences jeunesse Canada
Prix, en argent comptant 1 000 \$

Crystal K Radinski [16] – Calgary Youth AB
EEG Coherence as a Marker for Alzheimer's Dementia

Prix Platine - Meilleur projet junior

Parrainé par: Sciences jeunesse Canada
Prix, en argent comptant 1 000 \$

Danish Mahmood [13] – Thames Valley ON
W.I.N.I.T.S. (Wireless Interconnected Non-Invasive Triage System)

Bourse d'études de Western University

Médaillé d'or - Bourse d'admission de 4 000 \$

Parrainé par: Université Western

Une bourse d'admission d'une valeur de 4 000 \$ est offerte à chaque médaillé(e) d'or. Une bourse de début d'études d'une valeur de 2 000 \$ est offerte à chaque médaillé(e) d'argent. Une bourse de début d'études d'une valeur de 1 000 \$ est offerte à chaque médaillé(e) de bronze.

Anika Achari [15] – Calgary Youth AB
Innovative Technology to Remove Emerging Contaminants from Drinking Water

Amal Aziz [15] – Thames Valley ON
Developing a Trojan Horse to Treat Alzheimer's Disease

Ariz Babul [14] – York ON
Sleep... Let's Get to the Brux of the Matter!

Danish Baig [17] – Waterloo-Wellington ON
Bio-friendly Antimicrobial Replacement to 2017 FDA Banned Drugs: Silver NP/CNC

Keiran Barr [14] – Frontenac, Lennox & Addington ON
Nicotinamide: Novel Skin Cancer Chemoprevention

Colette Benko [16] – Calgary Youth AB
Novel Pediatric Cancer Therapy: Targeting Epigenetics to Induce Differentiation

Nora Boone [18] – Eastern Newfoundland NL
It's only Brain Surgery! 3D Printing: Developing a Craniotomy Simulation Tool

Léa Drolet-Roy [15] – Québec et Chaudière-Appalaches QC
Visualise ta voie

Rushi Gandhi [17], **Saharsh Hariharan** [17] – Peel ON
HapticNav: A Vibrotactile Navigation System for the Visually Impaired

Alexandra Harnagea [16] – Montérégie QC
Triboélectricité : repliez-vous!

Dennis Krasnov [16] – Thames Valley ON
Artificial Neural Network for Autonomous Driving

Yimeng Li [14] – Greater Vancouver BC
Anaerobic Respiration: A Novel Bioelectrochemical Copper Recovery System?

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Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



-
- Justin Lin** [17] – Manitoba Schools Science Symposium MB
Peptide-Directed Knockdown of Misfolded SOD1 by Chaperone – Mediated
-
- Aaliyah Mahboubi** [13] – Pacific Northwest BC
Microbial-film Power Generation 2.0 – It's about to get cooler
-
- Danish Mahmood** [13] – Thames Valley ON
W.I.N.I.T.S. (Wireless Interconnected Non-Invasive Triage System)
-
- Grant Mansiere** [17] – Central Okanagan BC
Why do Aspens Tremble? Adaptations for Self Cleaning and Pest Control
-
- Annie McLeod** [16] – Vancouver Island BC
Marine Brown Algae Extracted Fucoxanthin and Phlorotannin in DSSC
-
- Rohan Mehta** [12] – Simcoe County ON
A Device to Harness Kinetic Energy from Walking – The Next Generation
-
- Maya Mikutra-Cencora** [16] – Montréal RM QC
L'Alzheimer avant la plaque A β
-
- Bhavya Mohan** [14] – Ottawa ON
A Novel Lab on a Chip based PCR Sensor for Disease Diagnostics for Under \$1
-
- Tasnia Nabil** [16] – Windsor ON
A Novel Computational Tool to Advance Ferromagnetic NanoTherapy to Cure Cancer
-
- Crystal K Radinski** [16] – Calgary Youth AB
EEG Coherence as a Marker for Alzheimer's Dementia
-
- Anisha Rajaselvam** [13] – Halifax NS
The Answer to Cancer: Killing Breast Cancer Cells with Triptolide
-
- Joseph Saturnino** [14] – Bay Area ON
MSRS - Wearable Technology and IoT
-
- Evan Sharma** [13] – Frontenac, Lennox & Addington ON
MMO Cow: How microbiome changes can lower methane emissions from livestock
-
- Janani Venkat** [13] – Halifax NS
Antibacterial Effects of Microemulsified Essential Oils & Chitosan Nanoparticles
-
- Katelyn Wang** [15] – York ON
Efficient Design of Disposable Cough Filtration and Virus Containment Device
-
- Bowen Xue** [17] – Ottawa ON
Developing Aptamer-Based Targeted Imaging Probes for the Diagnosis of Stroke
-
- Ollie Zhao** [15] – Greater Vancouver BC
Amp Tree
-
- Matthew Zhou** [15] – Thames Valley ON
Neuroprotective Effect of Indomethacin against Glutamate Induced Excitotoxicity
-

Bourse d'études de Western University

Médaille d'argent - Bourse d'admission de 2 000 \$

Parrainé par: Université Western

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-
- Sparsh Agrawal** [14] – Manitoba Schools Science Symposium MB
Developing an Optimal Stock Trading Algorithm Using Data Mining Techniques

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Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Aditya Ayri [14] – Wood Buffalo AB <i>A Ray of Hope for Parkinson's</i>
Naomie Azzi [13] – Ottawa ON <i>Béquilles-o-jnou</i>
Terry Bariciak [17] – Algoma Rotary ON <i>Cinnamon Essential Oils - Natural Antibiotics</i>
Clara Biernacki [13] – Renfrew County ON <i>Are You Eating Your Fleece? Exploring Microfibres and Filtration Systems</i>
Jay Botham [13] – Greater Vancouver BC <i>The Effect of Hair Dye on Hair Strength</i>
Stella Bowles [13] – South Shore NS <i>Oh, Poop! It's Worse Than I Thought!</i>
Jonathan Cao [14] – Greater Vancouver BC <i>reduce, reuse, reCompass</i>
Bill Chen [17] – Greater Vancouver BC <i>Graphene Oxide Enhanced Proton Exchange Membrane Fuel Cell</i>
Paul Drakos [15] – Bay Area ON <i>The 'Helical Water Coil': A Residential and Commercial Thermoelectric Generator</i>
Katie Du [17] – Edmonton AB <i>The Effect of DNA Repair Pathway Defects on Anti-Inflammatory Drug Response</i>
Maria Duynisveld [16] – Chignecto East NS <i>The Dessert Effect: The Impact of Cattle Stocking on Herbage Intake & Selection</i>
Faris Fizal [16] – Calgary Youth AB <i>Linalyl Acetate: A Novel Phytochemical Based Alternative to NSAIDs</i>
Zane Frantzen [16] – Simcoe County ON <i>Passive Automated Diagnostic and Detection of Illness and Disease</i>
Jérémie Gaudreault [13] – Québec et Chaudière-Appalaches QC <i>Gaudí 2.0 Logiciel pour la génération en 3D de colonnes d'apparence organique</i>
Nicole Green [17] – Central Alberta AB <i>It's a Small World: The Influence of Culture Shock on International immigrants</i>
Emily Gubski [17] – Calgary Youth AB <i>Inducing Delta 32 mutation in CCR5 T-cells to develop HIV immunity in patients</i>
Anika Gupta [15] – Bay Area ON <i>A Novel Approach to Protect Dopamine Neurons Using a Peptide and Trophic Factor</i>
Félicia Harvey [15] – Saguenay-Lac Saint-Jean QC <i>Une clé APortant la longévité?</i>
Sophie Hoyer Pacholek [13] – Calgary Youth AB <i>Going Viral: Exploring and Inhibiting Viral Assembly</i>
Thomas Imbeault-Nepton [16] – Saguenay-Lac Saint-Jean QC <i>P.A.L.I.A. contre les chutes</i>
Dheiksha Jayasankar [12] – Niagara ON <i>NanoGrow: Nanoparticles as a Plant Growth Enhancer</i>

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Krish Joshi [14] – Bay Area ON

Developing a Dermal Colorimetric Test Patch to Identify Iron Loss in Sweat

Sahana Kalidindi [14] – Windsor ON

Solar Potential Energy Storage & UV Filter Hybrid

Daniel Kornyllo [13] – Northern Vancouver Island BC

High School Voltage

Rochelle Lariviere [13] – Sudbury ON

Du plomb dans la venaison

Léo Lechaume-Robert [16] – Québec et Chaudière-Appalaches QC

Si la petite mange la grosse

Phyllis Lesnikov [16] – Greater Vancouver BC

*Phytoremediation of Zinc Contaminated Mines Using Novel Transgenic *A. Thaliana**

Louis-Philippe Belley [15], **Jonathan Lévesque** [16] – Québec et Chaudière-Appalaches QC

BlackFly: l'analyseur de gaz

Monica Lopez [14] – Calgary Youth AB

Serotonin controls mood-like responses in plants

Caroline Mahut [18] – Bay Area ON

Catch the Wave: Harnessing Electricity from Aqueous Sinusoidal Oscillations

Brendon Matusch [13] – Sudbury ON

Convolutional Neural Networks in Qualitative Quality Control Applications

Advait Maybhate [16] – Waterloo-Wellington ON

A New Approach to Motif Discovery

Neil Mitra [13] – Peel ON

iCane The Intelligent Cane: Alternative to Tactile Paving for the Blind

Sabrina Mogus [12] – Bay Area ON

Don't Feast on Your Fleece

Jodh Singh Nahal [13] – Cariboo Mainline BC

Powering My Small Devices From Soil Bacteria Using MFCs (Microbial Fuel Cells)

Finley Nakatsu [12] – Halifax NS

What a Drag - A study of the factors affecting a boat's drag through calm water

Dhvani Patel [17] – Wood Buffalo AB

SMART Agricultural Technology

Matthew Pilkey [14] – Frontenac, Lennox & Addington ON

Could taking vitamins be bad for you?

Sergiu Pocol [17] – Waterloo-Wellington ON

Air Gap Thickness and Torque Ripple Induced by Asymmetries

Jesse Pound [14], **Katarina Vuorensivu** [13] – South Fraser BC

The Technosleeve

Zwetlana Rajesh [15] – Renfrew County ON

Natural Insulin: A Novel Intervention for Sundowning in Alzheimer's Disease

Owen Randall [17] – Manitoba Schools Science Symposium MB

Improving ANN Accuracy by Optimizing Hyperparameters through Gradient Descent

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-
- Aaron Sarkar** [14] – Eastern Newfoundland NL
Evaluating the Effectiveness & Efficiency of a Graphene-Oxide Filtration System
-
- Marin Schultz** [16] – Lethbridge AB
Novel Prosthetic AutoGrasp Control System and Human-Prosthetic Interface
-
- Dhruvil Shah** [17] – Wood Buffalo AB
Enhancing Electrolysis: Discovering the Separation of the Faradic Currents
-
- Cheryl Chen** [12], **Stuti Sharma** [12] – South Fraser BC
Charma 2.0 – An Orbital Settlement
-
- Vedaant Srivastava** [14] – Ottawa ON
An Effective Artificial Muscle
-
- Bilun Sun** [18] – Montreal QC
Need a hand with that?
-
- Hareshan Suntharalingam** [16] – York ON
A New Vision For Diabetic Patients
-
- Kai Leong** [16], **Megan Syho** [15] – Greater Vancouver BC
An Ankle-Dorsiflexion Exercise Program to Improve Seniors' Balance and Gait
-
- Nattan Telmer** [14] – Vancouver Island BC
Powering Animal Trackers With Thermal Electric Generators (TEGs)
-
- Atif Mahmud** [17], **Zachary Trefler** [16] – Waterloo-Wellington ON
NeurAlgae: A Novel Approach to Harmful Algal Bloom Prediction
-
- Benjamin Waldie** [15] – Bay Area ON
Capturing Waste Energy from a Home Furnace using a Thermoelectric Generator
-
- Elisa Ward** [13] – Windsor ON
Pollution Evolution Solution
-
- David Wu** [15] – Thames Valley ON
Sensitizing Human Tumour Cells to Cancer Drugs with Cranberry Flavonoids
-
- Tim Wu** [16] – Calgary Youth AB
Exploring the Novel Use of Eggshells to Address Organic Solar Cell Instability
-
- Ben Xie** [17] – Simcoe County ON
A Computerized Traffic Light Detector
-
- Winnie Xu** [17] – South Fraser BC
Function of Podocalyxin in the Maintenance of the Blood Brain Barrier
-
- Austin Wu** [15], **Kamron Zaidi** [15] – York ON
A Comparative Analysis of Hydroponics, Aeroponics, and Fogponics on Plant Growth

Bourse d'études de Western University

Médaille de bronze - Bourse d'admission de 1 000 \$

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Ethan Aarts [14] – Avon Maitland-Huron Perth ON

If You Shake It, You Break It

Om Agarwal [14] – Halifax NS

Automotive Collision Detection Network

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Janani Anandan [13] – Peel ON

Green Power of Cactus

Shaaf Babar [12] – Wood Buffalo AB

Street Smart

Kevin Bai [15] – Northwestern Ontario ON

A Novel Eye Tracking System Robust to Head Movements

Clark Bains [15] – Rideau-St. Lawrence ON

The Breaking Point: Increasing Circuit Efficiency and Reducing Heat

Deandre Baker [16], **Tanish Wadhwa** [15] – Peel ON

Smart Helmet which measures acceleration to detect minor & major brain damage

Laney Beaulieu [17] – South Slave NT

Risk Factors of, and Recommendations for, Alcoholism in Fort Resolution, NT

Andrew Benn [12] – Thames Valley ON

Magnetic Fields and Fluid Flow

John Berger [16] – Southeast Alberta AB

A Graphic User Interface for the Retrieval of Genomic Information

Ahmad Almawi [16], **Dhyey Bhavsar** [16] – Peel ON

VOLTurus: Power Generation and Water Desalination

Emilie Bordeleau McCallum [13] – Ottawa ON

Cancer Free

Jacob Bowman [15] – Peterborough ON

Fish or chips: brook trout in Harper Creek

Hannah Bryant [13] – Chignecto East NS

Plant Grafting

Lauren Bunt [13] – Quinte ON

Feed Bucket Preference and its Impact on Equine Medication Rejection

William Campbell [14] – Kivalliq NU

Sea Fuel

Anastasia Castro [14] – Vancouver Island BC

Fluctuation of Oceanic Microplastics at Depth and Effects on Marine Ecosystems

Ella Chan [16] – Vancouver Island BC

Oral Infections: Does lactoferrin inhibit the bactericidal action of eugenol?

Melody Cheng [16] – Vancouver Island BC

A New Phase of Water: Is this measurable with surface tension?

Victoria Chouinard [17] – Québec et Chaudière-Appalaches QC

L'ADNe... Euh! C'est quoi?

Kurtis Collins [16] – Eastern Newfoundland NL

Flaxseed-Derived Lignan SDG Protects Human Colon Cells from ROS mtDNA

Laura Cunningham [13] – Greater Vancouver BC

Salt in Fast Food: No Great Shakes for Your Health

Nisarg Dave [17] – Eastern Newfoundland NL

A Blue Biorefinery Approach: Marine Nutraceuticals from Salmon Waste Resources

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Regina (Saskatchewan)



-
- Noah Davidson** [14] – St. James-Assiniboia MB
Material Swings
-
- Kavisha Dayarathna** [16] – Thames Valley ON
Spices are Key to be Kidney Stone Free
-
- Skye Dusolt** [15] – Northwestern Ontario ON
Steam with Nanoparticles
-
- Frances Emery** [16] – Peterborough ON
Do Kingdoms Speak the Same Language; Are Phytohormones Mycohormones?
-
- Nicolas Fedrigo** [16] – Vancouver Island BC
Stroke Rehabilitation Exoskeleton
-
- Jaden Ford** [17] – Northern British Columbia BC
CO₂NSEQUENCES
-
- Sebastien Galand** [13] – Montreal QC
Bridging The Gap
-
- Matthias Gasser** [14] – Canadian Rockies AB
Not Just a Flutter in the Wind
-
- Siddhant Gautam** [16] – Edmonton AB
Cool Peptides – A novel approach to cryopreservation of organs
-
- Soheil Ghaffari** [15] – South Shore NS
Bitten by Lyme Disease
-
- Azin Dolatabadi** [15], **Jaslin Ghotra** [17] – Southeast Alberta AB
A Seed-E Alternative to Water Treatment
-
- Eve Gilbert** [13] – Simcoe County ON
Independence Plus: A Mobility Aid
-
- Mihir Gothai** [14] – Edmonton AB
Bioavailability of Chia Seeds
-
- Megan Gran** [17] – Sudbury ON
Robotic Innovations Can Change Lives by Completing Common Tasks
-
- Lénárd Grossmann** [13] – Edmonton AB
Swarm Robotics: How Robots Cooperate
-
- Yassin Guitouni** [15] – Vancouver Island BC
The KNEEd for Power: Harvesting Biomechanical Energy
-
- Mehul Gupta** [17] – Calgary Youth AB
Liquid Biopsy: A Novel Diagnostic Technique for Atypical Teratoid/Rhabdoid Tumor
-
- Neha Gupta** [12] – Bay Area ON
Development of a Portable System for Detection of Bacteria Using DNA Biomarkers
-
- Jonah Haliburton** [13] – Greater Vancouver BC
The Anchovy: Remotely Operated Submersible
-
- Jacob Harvey** [17] – Winnipeg Schools MB
*Medium Optimization for Cheap, Novel Bioplastic Production From *P. Putida**
-
- Kristi Hayko** [17] – Regina SK
Landfill Optimization: Converting Solid Waste to Energy

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



-
- Chloe Carriere** [17], **Caitlin Howard** [18] – North Bay ON
*The effect of *Urtica dioica* on the Alzheimer profile in *Drosophila melanogaster**
-
- YaWen Huang** [17] – Winnipeg Schools MB
Secreted APP α as a Therapeutic for Diabetic Encephalopathy
-
- Hillary Huynh** [14] – Yellowknife NT
Quelle est la durée de la mémoire des visages
-
- Marina Ilyas** [13] – Waterloo-Wellington ON
Phixing Physio
-
- Liam Ingram** [13] – West Kootenay & Boundary BC
Can We Fish Better?
-
- Ayanna Jeyakanthan** [12] – Durham ON
The Effects of Microwave Radiation
-
- Melanie Jonnalagadda** [17] – Thames Valley ON
Glucose-Induced Expression of Endothelin 1 & its Relation to Diabetic Retinopathy
-
- Etienne Joulin** [14] – Bluewater ON
Musical Personality
-
- Eungyung Kim** [14] – Central Interior British Columbia BC
Reclamation: A systems change to waste management in the operating room
-
- Atanas Kolev** [15] – Regina SK
Orbital Eccentricity and Solar Energy
-
- Tharindu Kottegoda** [14] – St. James-Assiniboia MB
Energy Harnessing Backpack
-
- Marie-Pier Lacroix** [15], **Sophie Lacroix** [15] – Montréal RM QC
Attention, bébé à bord!
-
- Caleb Lammers** [15] – Northwestern Ontario ON
Zipf's Law Tested Across Age Groups
-
- Darshana Lanke** [14] – Saskatoon SK
Comparative Study Characterizing Wheat Allergenicity in Ancient and Modern Wheat
-
- Neleah Lavoie** [13] – 4-H Canada ON
Cost-Effective Extraction of Chitin from Lobster Shells
-
- Sandrine Leblanc-Savignac** [17] – Montréal RM QC
Pesticides MenaSangs
-
- Samuel Lefrançois** [15] – Districts francophones du Nouveau-Brunswick NB
La motivation du harle huppé à choisir où mettre tous ses œufs
-
- Andrew Li** [13], **Jeremy Xie** [14] – Toronto ON
Self-Sustaining Aquaponics System
-
- Kevin Liu** [13] – Toronto ON
Flowing Through Distinct Watersheds
-
- Lia Loebenberg** [16] – Montreal QC
Division: Impossible (Discovering Cancer's Dependencies for Targeted Treatments)
-
- Edward Lombo** [14] – Bay Area ON
Electrochemical Synthesis of Ammonia

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Claire Larson [15], Leah Macfarlane [15] – Southeast Saskatchewan SK
Alzheimer's and Visual Perception

Monica Mahut [15] – Bay Area ON
GEARS: Gravitational Electricity Accumulating Renewable Storage

Khadija Manji [13], Zoha Sojoudi [14] – York ON
Sugar or Spice?

Rachel Manzon [13] – Regina SK
Thermal Tolerance in Lake Whitefish Embryos

Connor Maxwell [14] – Bluewater ON
Hydrological Analysis of Streamflow and Potential Effects of Climate Change

Connor McCourt [12] – Bay Area ON
Grow With the Flow

Catriona McIntosh [12] – Calgary Youth AB
How Attachment Affects Informed Risk Taking in Adolescents

Ruth Meyer [14] – Waterloo-Wellington ON
Concede to Me! The Effect of Exit – Signalling on Yield Rates in Roundabouts

Correne Minty [16] – Central Alberta AB
Hydrogen Sulphide Sensing

Meera Moorthy [15] – Quinte ON
Shrubs on Drugs

Emallie Morin-Barich [16] – Fransaskoise SK
L'effet des détergents verts sur les écosystèmes aquatiques

Anmol Nagra [13] – Windsor ON
To Bandage or Not to Bandage?

Ayana Nanthakumar [13] – Peel ON
Keep it Cold and Keep it Clean

Harry Parmar [13] – York ON
Viola-Bac; Power of Synthetic Biology in Real World

Akshay Patel [17] – Niagara ON
The Role of Proctolin in Turning Behaviour of Drosophila Melanogaster Larvae

Catherine Plante [16] – Saguenay-Lac Saint-Jean QC
Les bactéries ont la solution!

John Poole [15] – Canadian Rockies AB
The Effects of Oil on Mycelial Production of Lignin Peroxidase

Alexandra Pimentel [15], Noémie Poulin [15] – Outaouais QC
Une bouteille d'eau bio

Emeric Proulx [17] – Rive-Nord QC
Hydropulsoréacteur

Eshan Rasul [12] – Peel ON
Vitamins: Friend or Foe of Your Gut

Angie Redford [15], Anna Schwartz [17] – Sunset Country ON
A "Minor" Experiment with "Major" Results

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-
- Waleed Sawan** [15] – Thames Valley ON
Drip – A Precision Agriculture System for the Developing World
-
- Monis Sayyid** [12], **Jack Sloan** [13] – Rideau-St. Lawrence ON
Learn The Burn
-
- Nicole Schmidt** [17] – Calgary Youth AB
Optimizing Fluid Flow Systems
-
- Rohan Sethi** [14] – Manitoba Schools Science Symposium MB
Effects of Faba Bean Ingredients on Glycemia and Satiety in Novel Food Products
-
- Devarsh Shah** [14] – Lambton County ON
A Novel Approach to Non-Invasive Glucose Measurement
-
- Noha Shehata** [16] – Eastern Newfoundland NL
A Novel Way to Recycle Shrimp Shells into Biodegradable Plastic
-
- Thanusha Balasubramaniyam** [16], **Taushia Siddique** [17] – Rive-Nord QC
L'or vert du sang blanc?
-
- Raphaël Cloutier** [18], **Liam Simard** [17] – Québec et Chaudière-Appalaches QC
M.A.R.K.
-
- Rory Smith** [16] – East Kootenay BC
Nuclei Oxidation Therapy: A New Take on Localized Antineoplastics
-
- Mathilde St-Jean Perron** [13] – Estrie QC
Cric Crac Croc, on se déhanche
-
- Dylex Suan** [14] – Bay Area ON
Ameliorating Salinity Tolerance in Broccoli Plants by Acclimation
-
- Emmeraude Tanguay** [16] – Côte-Nord QC
Enfants: esclaves virtuels?
-
- Rahman Tawhid** [16] – Cariboo Mainline BC
A Novel Method in Predicting Chronic Disease
-
- Olivia Calbeck** [14], **Julie Taylor** [14] – Bay Area ON
One Step at a Time
-
- Kayli Taylor** [13] – 4-H Canada ON
Water Erosion: Will Wood Chips Help Prevent Surface Water Erosion?
-
- Kyra Taylor** [16] – 4-H Canada ON
Hydroponic Forage: A Feasible Equine Feed Alternative
-
- Norah Trinh** [13] – Lethbridge AB
The Piezoelectric Shoe: Energy from Motion
-
- Joseph Trottier** [16] – Sudbury ON
Connaitre son poids ne suffit pas
-
- Reid Tull** [13] – Algoma Rotary ON
Perpetual Motion
-
- Joy Shah** [17], **Parth Vachharajani** [17] – Lambton County ON
Riding the Fluoride
-
- Katherine van Kampen** [18] – Central Okanagan BC
Slowing Neuronal Degeneration

Récipiendaires des prix

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Jessica Vaszily [18] – South Shore NS
Epigenetics Has Exercise Knocking on its Door

Juliette Péloquin [16], **Marie-Philippe Villiard** [16] – Montérégie QC
Asclépiade, un cas isolé

Kendra Prasad [15], **Rizky Wahyudi** [17] – Lambton County ON
Flexi Golf: Innovative Golfer's Stabilizing Stand

Olivia Wallace [13] – Ottawa ON
Catch the Flow

Charles Wang [16], **Spencer Zzulka** [16] – South Fraser BC
*Solar-Powered Production of Clean Fuel by the Fermentation of *C. acetobutylicum**

Bob Wei [17] – Niagara ON
Solitary Wave Propagation in a Novel Granular Chain Setup

Ethan White [15] – Waterloo-Wellington ON
CPU Load Covert Channels Exploiting Interrupt Latency

Nethra Wickramasinghe [13] – Sudbury ON
Hot Air Insu-Layer

Jordan Winter [17] – Algoma Rotary ON
Destructor destruction: Could this Bee the end?

Elesha Wood [17] – Tri-County NS
Stimulation of the Vagus Nerve Through Targeted Temperature Therapy

Himanshu Sharma [17], **Derek Yin** [18] – Manitoba Schools Science Symposium MB
ReefHub: A Novel Autonomous Coral Reef Conservation System

Ahnais Young [14] – Prince Edward Island PE
Cerebral Hemispheric Lateralization in Relation to Handedness

Selina Zhou [16] – Greater Vancouver BC
Changes in Volatile Organic Compounds Emission Under Stressed Conditions

Bourse d'admission de l'Université d'Ottawa

Médaille d'or, sénior - Bourse d'admission de 4 000 \$

Parrainé par: Université d'Ottawa

Une bourse d'entrée de l'Université d'Ottawa d'une valeur de 4 000 \$ est offerte à chaque finaliste senior se voyant remettre une médaille d'or. Une bourse d'entrée de l'Université d'Ottawa d'une valeur de 2 000 \$ est offerte à chaque finaliste senior se voyant remettre une médaille d'argent. Une bourse d'entrée de l'Université d'Ottawa d'une valeur de 1 000 \$ est offerte à chaque finaliste senior se voyant remettre une médaille de bronze.

Danish Baig [17] – Waterloo-Wellington ON
Bio-friendly Antimicrobial Replacement to 2017 FDA Banned Drugs: Silver NP/CNC

Colette Benko [16] – Calgary Youth AB
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HapticNav: A Vibrotactile Navigation System for the Visually Impaired

Alexandra Harnagea [16] – Montérégie QC
Triboélectricité : repliez-vous!

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



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Developing Aptamer-Based Targeted Imaging Probes for the Diagnosis of Stroke

Bourse d'admission de l'Université d'Ottawa

Médaillé d'argent, sénior - Bourse d'admission de 2 000 \$

Parrainé par: Université d'Ottawa

Une bourse d'entrée de l'Université d'Ottawa d'une valeur de 4 000 \$ est offerte à chaque finaliste senior se voyant remettre une médaille d'or. Une bourse d'entrée de l'Université d'Ottawa d'une valeur de 2 000 \$ est offerte à chaque finaliste senior se voyant remettre une médaille d'argent. Une bourse d'entrée de l'Université d'Ottawa d'une valeur de 1 000 \$ est offerte à chaque finaliste senior se voyant remettre une médaille de bronze.

Terry Bariciak [17] – Algoma Rotary ON

Cinnamon Essential Oils - Natural Antibiotics

Bill Chen [17] – Greater Vancouver BC

Graphene Oxide Enhanced Proton Exchange Membrane Fuel Cell

Katie Du [17] – Edmonton AB

The Effect of DNA Repair Pathway Defects on Anti-Inflammatory Drug Response

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Sergiu Pocol [17] – Waterloo-Wellington ON

Air Gap Thickness and Torque Ripple Induced by Asymmetries

Owen Randall [17] – Manitoba Schools Science Symposium MB

Improving ANN Accuracy by Optimizing Hyperparameters through Gradient Descent

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Marin Schultz [16] – Lethbridge AB
Novel Prosthetic AutoGrasp Control System and Human-Prosthetic Interface

Dhruvil Shah [17] – Wood Buffalo AB
Enhancing Electrolysis: Discovering the Separation of the Faradic Currents

Bilun Sun [18] – Montreal QC
Need a hand with that?

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Exploring the Novel Use of Eggshells to Address Organic Solar Cell Instability

Ben Xie [17] – Simcoe County ON
A Computerized Traffic Light Detector

Winnie Xu [17] – South Fraser BC
Function of Podocalyxin in the Maintenance of the Blood Brain Barrier

Bourse d'admission de l'Université d'Ottawa

Médaille de bronze, sénior – Bourse d'admission de 1 000 \$

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Laney Beaulieu [17] – South Slave NT
Risk Factors of, and Recommendations for, Alcoholism in Fort Resolution, NT

John Berger [16] – Southeast Alberta AB
A Graphic User Interface for the Retrieval of Genomic Information

Ahmad Almawi [16], **Dhyey Bhavsar** [16] – Peel ON
VOLTurus: Power Generation and Water Desalination

Ella Chan [16] – Vancouver Island BC
Oral Infections: Does lactoferrin inhibit the bactericidal action of eugenol?

Victoria Chouinard [17] – Québec et Chaudière-Appalaches QC
L'ADNe... Euh! C'est quoi?

Kurtis Collins [16] – Eastern Newfoundland NL
Flaxseed-Derived Lignan SDG Protects Human Colon Cells from ROS mtDNA

Nisarg Dave [17] – Eastern Newfoundland NL
A Blue Biorefinery Approach: Marine Nutraceuticals from Salmon Waste Resources

Frances Emery [16] – Peterborough ON
Do Kingdoms Speak the Same Language; Are Phytohormones Myco hormones?

Jaden Ford [17] – Northern British Columbia BC
CO2NSEQUENCES

Siddhant Gautam [16] – Edmonton AB
Cool Peptides – A novel approach to cryopreservation of organs

Azin Dolatabadi [15], **Jaslin Ghotra** [17] – Southeast Alberta AB
A Seed-E Alternative to Water Treatment

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



-
- Megan Gran** [17] – Sudbury ON
Robotic Innovations Can Change Lives by Completing Common Tasks
-
- Mehul Gupta** [17] – Calgary Youth AB
Liquid Biopsy: A Novel Diagnostic Technique for Atypical Teratoid/Rhabdoid Tumor
-
- Jacob Harvey** [17] – Winnipeg Schools MB
*Medium Optimization for Cheap, Novel Bioplastic Production From *P. Putida**
-
- Kristi Hayko** [17] – Regina SK
Landfill Optimization: Converting Solid Waste to Energy
-
- Chloe Carriere** [17], **Caitlin Howard** [18] – North Bay ON
*The effect of *Urtica dioica* on the Alzheimer profile in *Drosophila melanogaster**
-
- YaWen Huang** [17] – Winnipeg Schools MB
Secreted APP α as a Therapeutic for Diabetic Encephalopathy
-
- Melanie Jonnalagadda** [17] – Thames Valley ON
Glucose-Induced Expression of Endothelin 1 & its Relation to Diabetic Retinopathy
-
- Sandrine Leblanc-Savignac** [17] – Montréal RM QC
Pesticides MenaSangs
-
- Lia Loebenberg** [16] – Montreal QC
Division: Impossible (Discovering Cancer's Dependencies for Targeted Treatments)
-
- Correne Minty** [16] – Central Alberta AB
Hydrogen Sulphide Sensing
-
- Emallie Morin-Barich** [16] – Fransaskoise SK
L'effet des détergents verts sur les écosystèmes aquatiques
-
- Akshay Patel** [17] – Niagara ON
*The Role of Proctolin in Turning Behaviour of *Drosophila Melanogaster* Larvae*
-
- Emeric Proulx** [17] – Rive-Nord QC
Hydropulsoréacteur
-
- Angie Redford** [15], **Anna Schwartz** [17] – Sunset Country ON
A "Minor" Experiment with "Major" Results
-
- Nicole Schmidt** [17] – Calgary Youth AB
Optimizing Fluid Flow Systems
-
- Noha Shehata** [16] – Eastern Newfoundland NL
A Novel Way to Recycle Shrimp Shells into Biodegradable Plastic
-
- Thanusha Balasubramaniyam** [16], **Taushia Siddique** [17] – Rive-Nord QC
L'or vert du sang blanc?
-
- Raphaël Cloutier** [18], **Liam Simard** [17] – Québec et Chaudière-Appalaches QC
M.A.R.K.
-
- Emmeraude Tanguay** [16] – Côte-Nord QC
Enfants: esclaves virtuels?
-
- Joy Shah** [17], **Parth Vachharajani** [17] – Lambton County ON
Riding the Fluoride
-
- Katherine van Kampen** [18] – Central Okanagan BC
Slowing Neuronal Degeneration

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Jessica Vaszily [18] – South Shore NS
Epigenetics Has Exercise Knocking on its Door

Kendra Prasad [15], **Rizky Wahyudi** [17] – Lambton County ON
Flexi Golf: Innovative Golfer's Stabilizing Stand

Charles Wang [16], **Spencer Zzulka** [16] – South Fraser BC
*Solar-Powered Production of Clean Fuel by the Fermentation of *C. acetobutylicum**

Bob Wei [17] – Niagara ON
Solitary Wave Propagation in a Novel Granular Chain Setup

Jordan Winter [17] – Algoma Rotary ON
Destructor destruction: Could this Bee the end?

Elesha Wood [17] – Tri-County NS
Stimulation of the Vagus Nerve Through Targeted Temperature Therapy

Himanshu Sharma [17], **Derek Yin** [18] – Manitoba Schools Science Symposium MB
ReefHub: A Novel Autonomous Coral Reef Conservation System

Selina Zhou [16] – Greater Vancouver BC
Changes in Volatile Organic Compounds Emission Under Stressed Conditions

Bourse d'admission de l'Université du Manitoba

Médaille d'or, sénior - Bourse d'admission de 5 000 \$

Parrainé par: Université du Manitoba

Le bureau du vice-président de la recherche de l'Université du Manitoba offre une bourse de début d'études renouvelable pour les finalistes seniors se voyant remettre une médaille d'or lors de l'Expo-sciences pancanadienne de Sciences jeunesse Canada.

La bourse est renouvelable, d'une même valeur, pour la seconde année d'études universitaires à condition que le récipiendaire :

1. continue à être inscrit à temps plein (minimum de 24 heures-crédits) dans l'une quelconque des facultés ou des écoles, sauf la faculté des études supérieures;

Danish Baig [17] – Waterloo-Wellington ON
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Bowen Xue [17] – Ottawa ON

Developing Aptamer-Based Targeted Imaging Probes for the Diagnosis of Stroke

Prix d'admission en sciences de UBC (Vancouver)

Médaille d'or, sénior - Bourse d'admission de 4 000 \$

Parrainé par: The University of British Columbia (Vancouver)

Une bourse de début d'études en sciences de UBC est offerte : d'une valeur de 4 000 \$ à chaque médaillé(e) d'or sénior; et d'une valeur de 2 000 \$ à chaque médaillé(e) d'argent sénior. Pour recevoir ces bourses, les finalistes doivent être acceptés par la Faculté des sciences de UBC (campus de Vancouver) et s'inscrire immédiatement après avoir terminé leur dernière année d'études du secondaire (hors Québec) ou du collégial (Québec). Les récipiendaires qui ne sont pas encore dans leur dernière année d'études peuvent reporter leur prix d'un an.

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Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



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The Effect of DNA Repair Pathway Defects on Anti-Inflammatory Drug Response
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Function of Podocalyxin in the Maintenance of the Blood Brain Barrier

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Bourses d'admission de la Faculté des sciences de l'Université Dalhousie

Médaille d'or, sénior - Bourse d'admission de 5 000 \$

Parrainé par: Université Dalhousie, Faculté des sciences

Une bourse de début d'études de la Faculté des sciences de l'Université Dalhousie d'une valeur de 5 000 \$ est offerte à chaque finaliste sénior se voyant remettre une médaille d'or. Une bourse de début d'études de la Faculté des sciences de l'Université Dalhousie d'une valeur de 2 500 \$ est offerte à chaque finaliste sénior se voyant remettre une médaille d'argent.

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Bourses d'admission de la Faculté des sciences de l'Université Dalhousie

Médaille d'argent, sénior - Bourse d'admission de 2 500 \$

Parrainé par: Université Dalhousie, Faculté des sciences

Une bourse de début d'études de la Faculté des sciences de l'Université Dalhousie d'une valeur de 5 000 \$ est offerte à chaque finaliste sénior se voyant remettre une médaille d'or. Une bourse de début d'études de la Faculté des sciences de l'Université Dalhousie d'une valeur de 2 500 \$ est offerte à chaque finaliste sénior se voyant remettre une médaille d'argent.

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Function of Podocalyxin in the Maintenance of the Blood Brain Barrier

Prix d'excellence - Sénior

Médaille d'or

Parrainé par: Sciences jeunesse Canada
Médaille, en argent comptant 250 \$ et un certificat

Danish Baig [17] – Waterloo-Wellington ON
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Prix d'excellence - Intermédiaire

Médaille d'or

Parrainé par: Sciences jeunesse Canada

Médaille, en argent comptant 250 \$ et un certificat

Anika Achari [15] – Calgary Youth AB

Innovative Technology to Remove Emerging Contaminants from Drinking Water

Amal Aziz [15] – Thames Valley ON

Developing a Trojan Horse to Treat Alzheimer's Disease

Léa Drolet-Roy [15] – Québec et Chaudière-Appalaches QC

Visualise ta voie

Yimeng Li [14] – Greater Vancouver BC

Anaerobic Respiration: A Novel Bioelectrochemical Copper Recovery System?

Annie McLeod [16] – Vancouver Island BC

Marine Brown Algae Extracted Fucoxanthin and Phlorotannin in DSSC

Maya Mikutra-Cencora [16] – Montréal RM QC

L'Alzheimer avant la plaque A β

Crystal K Radinski [16] – Calgary Youth AB

EEG Coherence as a Marker for Alzheimer's Dementia

Katelyn Wang [15] – York ON

Efficient Design of Disposable Cough Filtration and Virus Containment Device

Ollie Zhao [15] – Greater Vancouver BC

Amp Tree

Matthew Zhou [15] – Thames Valley ON

Neuroprotective Effect of Indomethacin against Glutamate Induced Excitotoxicity

Prix d'excellence - Junior

Médaille d'or

Parrainé par: Sciences jeunesse Canada

Médaille, en argent comptant 250 \$ et un certificat

Ariz Babul [14] – York ON

Sleep... Let's Get to the Brux of the Matter!

Keiran Barr [14] – Frontenac, Lennox & Addington ON

Nicotinamide: Novel Skin Cancer Chemoprevention

Aaliyah Mahboubi [13] – Pacific Northwest BC

Microbial-film Power Generation 2.0 – It's about to get cooler

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Danish Mahmood [13] – Thames Valley ON

W.I.N.I.T.S. (Wireless Interconnected Non-Invasive Triage System)

Rohan Mehta [12] – Simcoe County ON

A Device to Harness Kinetic Energy from Walking – The Next Generation

Bhavya Mohan [14] – Ottawa ON

A Novel Lab on a Chip based PCR Sensor for Disease Diagnostics for Under \$1

Anisha Rajaselvam [13] – Halifax NS

The Answer to Cancer: Killing Breast Cancer Cells with Triptolide

Joseph Saturnino [14] – Bay Area ON

MSRS - Wearable Technology and IoT

Evan Sharma [13] – Frontenac, Lennox & Addington ON

MMO Cow: How microbiome changes can lower methane emissions from livestock

Janani Venkat [13] – Halifax NS

Antibacterial Effects of Microemulsified Essential Oils & Chitosan Nanoparticles

Prix d'excellence - Sénior

Médaille d'argent

Parrainé par: Sciences jeunesse Canada

Médaille et un certificat

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Bilun Sun [18] – Montreal QC
Need a hand with that?

Atif Mahmud [17], **Zachary Trefler** [16] – Waterloo-Wellington ON
NeurAlgae: A Novel Approach to Harmful Algal Bloom Prediction

Tim Wu [16] – Calgary Youth AB
Exploring the Novel Use of Eggshells to Address Organic Solar Cell Instability

Ben Xie [17] – Simcoe County ON
A Computerized Traffic Light Detector

Winnie Xu [17] – South Fraser BC
Function of Podocalyxin in the Maintenance of the Blood Brain Barrier

Prix d'excellence - Intermédiaire

Médaille d'argent

Parrainé par: Sciences jeunesse Canada
Médaille et un certificat

Aditya Ayri [14] – Wood Buffalo AB
A Ray of Hope for Parkinson's

Jonathan Cao [14] – Greater Vancouver BC
reduce, reuse, reCompass

Paul Drakos [15] – Bay Area ON
The 'Helical Water Coil': A Residential and Commercial Thermoelectric Generator

Maria Duynisveld [16] – Chignecto East NS
The Dessert Effect: The Impact of Cattle Stocking on Herbage Intake & Selection

Faris Fizal [16] – Calgary Youth AB
Linalyl Acetate: A Novel Phytochemical Based Alternative to NSAIDs

Anika Gupta [15] – Bay Area ON
A Novel Approach to Protect Dopamine Neurons Using a Peptide and Tropic Factor

Félicia Harvey [15] – Saguenay-Lac Saint-Jean QC
Une clé APOrtant la longévité?

Sahana Kalidindi [14] – Windsor ON
Solar Potential Energy Storage & UV Filter Hybrid

Léo Lechaume-Robert [16] – Québec et Chaudière-Appalaches QC
Si la petite mange la grosse

Louis-Philippe Belley [15], **Jonathan Lévesque** [16] – Québec et Chaudière-Appalaches QC
BlackFly: l'analyseur de gaz

Monica Lopez [14] – Calgary Youth AB
Serotonin controls mood-like responses in plants

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



-
- Brendon Matusch** [13] – Sudbury ON
Convolutional Neural Networks in Qualitative Quality Control Applications
-
- Zwetlana Rajesh** [15] – Renfrew County ON
Natural Insulin: A Novel Intervention for Sundowning in Alzheimer's Disease
-
- Aaron Sarkar** [14] – Eastern Newfoundland NL
Evaluating the Effectiveness & Efficiency of a Graphene-Oxide Filtration System
-
- Hareshan Suntharalingam** [16] – York ON
A New Vision For Diabetic Patients
-
- Kai Leong** [16], **Megan Syho** [15] – Greater Vancouver BC
An Ankle-Dorsiflexion Exercise Program to Improve Seniors' Balance and Gait
-
- Nattan Telmer** [14] – Vancouver Island BC
Powering Animal Trackers With Thermal Electric Generators (TEGs)
-
- Benjamin Waldie** [15] – Bay Area ON
Capturing Waste Energy from a Home Furnace using a Thermoelectric Generator
-
- David Wu** [15] – Thames Valley ON
Sensitizing Human Tumour Cells to Cancer Drugs with Cranberry Flavonoids
-
- Austin Wu** [15], **Kamron Zaidi** [15] – York ON
A Comparative Analysis of Hydroponics, Aeroponics, and Fogponics on Plant Growth
-

Prix d'excellence - Junior

Médaille d'argent

Parrainé par: Sciences jeunesse Canada
Médaille et un certificat

-
- Sparsh Agrawal** [14] – Manitoba Schools Science Symposium MB
Developing an Optimal Stock Trading Algorithm Using Data Mining Techniques
-
- Naomie Azzi** [13] – Ottawa ON
Béquilles-o-jnou
-
- Clara Biernacki** [13] – Renfrew County ON
Are You Eating Your Fleece? Exploring Microfibres and Filtration Systems
-
- Jay Botham** [13] – Greater Vancouver BC
The Effect of Hair Dye on Hair Strength
-
- Stella Bowles** [13] – South Shore NS
Oh, Poop! It's Worse Than I Thought!
-
- Jérémie Gaudreault** [13] – Québec et Chaudière-Appalaches QC
Gaudí 2.0 Logiciel pour la génération en 3D de colonnes d'apparence organique
-
- Sophie Hoyer Pacholek** [13] – Calgary Youth AB
Going Viral: Exploring and Inhibiting Viral Assembly
-
- Dheiksha Jayasankar** [12] – Niagara ON
NanoGrow: Nanoparticles as a Plant Growth Enhancer
-
- Krish Joshi** [14] – Bay Area ON
Developing a Dermal Colorimetric Test Patch to Identify Iron Loss in Sweat
-
- Daniel Kornyo** [13] – Northern Vancouver Island BC
High School Voltage
-

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Rochelle Lariviere [13] – Sudbury ON
Du plomb dans la venaison

Neil Mitra [13] – Peel ON
iCane The Intelligent Cane: Alternative to Tactile Paving for the Blind

Sabrina Mogus [12] – Bay Area ON
Don't Feast on Your Fleece

Jodh Singh Nahal [13] – Cariboo Mainline BC
Powering My Small Devices From Soil Bacteria Using MFCs (Microbial Fuel Cells)

Finley Nakatsu [12] – Halifax NS
What a Drag - A study of the factors affecting a boat's drag through calm water

Matthew Pilkey [14] – Frontenac, Lennox & Addington ON
Could taking vitamins be bad for you?

Jesse Pound [14], **Katarina Vuorensivu** [13] – South Fraser BC
The Technosleeve

Cheryl Chen [12], **Stuti Sharma** [12] – South Fraser BC
Charma 2.0 – An Orbital Settlement

Vedaant Srivastava [14] – Ottawa ON
An Effective Artificial Muscle

Elisa Ward [13] – Windsor ON
Pollution Evolution Solution

Prix d'excellence - Senior

Médaille de bronze

Parrainé par: Sciences jeunesse Canada
Médaille et un certificat

Laney Beaulieu [17] – South Slave NT
Risk Factors of, and Recommendations for, Alcoholism in Fort Resolution, NT

John Berger [16] – Southeast Alberta AB
A Graphic User Interface for the Retrieval of Genomic Information

Ahmad Almawi [16], **Dhyey Bhavsar** [16] – Peel ON
VOLTurus: Power Generation and Water Desalination

Ella Chan [16] – Vancouver Island BC
Oral Infections: Does lactoferrin inhibit the bactericidal action of eugenol?

Victoria Chouinard [17] – Québec et Chaudière-Appalaches QC
L'ADNe... Euh! C'est quoi?

Kurtis Collins [16] – Eastern Newfoundland NL
Flaxseed-Derived Lignan SDG Protects Human Colon Cells from ROS mtDNA

Nisarg Dave [17] – Eastern Newfoundland NL
A Blue Biorefinery Approach: Marine Nutraceuticals from Salmon Waste Resources

Frances Emery [16] – Peterborough ON
Do Kingdoms Speak the Same Language; Are Phytohormones Mycohormones?

Jaden Ford [17] – Northern British Columbia BC
CO2NSEQUENCES

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



-
- Siddhant Gautam** [16] – Edmonton AB
Cool Peptides – A novel approach to cryopreservation of organs
-
- Azin Dolatabadi** [15], **Jaslin Ghotra** [17] – Southeast Alberta AB
A Seed-E Alternative to Water Treatment
-
- Megan Gran** [17] – Sudbury ON
Robotic Innovations Can Change Lives by Completing Common Tasks
-
- Mehul Gupta** [17] – Calgary Youth AB
Liquid Biopsy: A Novel Diagnostic Technique for Atypical Teratoid/Rhabdoid Tumor
-
- Jacob Harvey** [17] – Winnipeg Schools MB
*Medium Optimization for Cheap, Novel Bioplastic Production From *P. Putida**
-
- Kristi Hayko** [17] – Regina SK
Landfill Optimization: Converting Solid Waste to Energy
-
- Chloe Carriere** [17], **Caitlin Howard** [18] – North Bay ON
*The effect of *Urtica dioica* on the Alzheimer profile in *Drosophila melanogaster**
-
- YaWen Huang** [17] – Winnipeg Schools MB
Secreted APP α as a Therapeutic for Diabetic Encephalopathy
-
- Melanie Jonnalagadda** [17] – Thames Valley ON
Glucose-Induced Expression of Endothelin1 & its Relation to Diabetic Retinopathy
-
- Sandrine Leblanc-Savignac** [17] – Montréal RM QC
Pesticides MenaSangs
-
- Lia Loebenberg** [16] – Montreal QC
Division: Impossible (Discovering Cancer's Dependencies for Targeted Treatments)
-
- Correne Minty** [16] – Central Alberta AB
Hydrogen Sulphide Sensing
-
- Emallie Morin-Barich** [16] – Fransaskoise SK
L'effet des détergents verts sur les écosystèmes aquatiques
-
- Akshay Patel** [17] – Niagara ON
*The Role of Proctolin in Turning Behaviour of *Drosophila Melanogaster* Larvae*
-
- Emeric Proulx** [17] – Rive-Nord QC
Hydropulsoréacteur
-
- Angie Redford** [15], **Anna Schwartz** [17] – Sunset Country ON
A "Minor" Experiment with "Major" Results
-
- Nicole Schmidt** [17] – Calgary Youth AB
Optimizing Fluid Flow Systems
-
- Noha Shehata** [16] – Eastern Newfoundland NL
A Novel Way to Recycle Shrimp Shells into Biodegradable Plastic
-
- Thanusha Balasubramaniyam** [16], **Taushia Siddique** [17] – Rive-Nord QC
L'or vert du sang blanc?
-
- Raphaël Cloutier** [18], **Liam Simard** [17] – Québec et Chaudière-Appalaches QC
M.A.R.K.
-
- Emmeraude Tanguay** [16] – Côte-Nord QC
Enfants: esclaves virtuels?

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Joy Shah [17], Parth Vachharajani [17] – Lambton County ON
Riding the Fluoride

Katherine van Kampen [18] – Central Okanagan BC
Slowing Neuronal Degeneration

Jessica Vaszily [18] – South Shore NS
Epigenetics Has Exercise Knocking on its Door

Kendra Prasad [15], Rizky Wahyudi [17] – Lambton County ON
Flexi Golf: Innovative Golfer's Stabilizing Stand

Charles Wang [16], Spencer Zzulka [16] – South Fraser BC
*Solar-Powered Production of Clean Fuel by the Fermentation of *C. acetobutylicum**

Bob Wei [17] – Niagara ON
Solitary Wave Propagation in a Novel Granular Chain Setup

Jordan Winter [17] – Algoma Rotary ON
Destructor destruction: Could this Bee the end?

Elesha Wood [17] – Tri-County NS
Stimulation of the Vagus Nerve Through Targeted Temperature Therapy

Himanshu Sharma [17], Derek Yin [18] – Manitoba Schools Science Symposium MB
ReefHub: A Novel Autonomous Coral Reef Conservation System

Selina Zhou [16] – Greater Vancouver BC
Changes in Volatile Organic Compounds Emission Under Stressed Conditions

Prix d'excellence - Intermédiaire

Médaille de bronze

Parrainé par: Sciences jeunesse Canada
Médaille et un certificat

Om Agarwal [14] – Halifax NS
Automotive Collision Detection Network

Kevin Bai [15] – Northwestern Ontario ON
A Novel Eye Tracking System Robust to Head Movements

Clark Bains [15] – Rideau-St. Lawrence ON
The Breaking Point: Increasing Circuit Efficiency and Reducing Heat

Deandre Baker [16], Tanish Wadhwa [15] – Peel ON
Smart Helmet which measures acceleration to detect minor & major brain damage

Jacob Bowman [15] – Peterborough ON
Fish or chips: brook trout in Harper Creek

William Campbell [14] – Kivalliq NU
Sea Fuel

Anastasia Castro [14] – Vancouver Island BC
Fluctuation of Oceanic Microplastics at Depth and Effects on Marine Ecosystems

Melody Cheng [16] – Vancouver Island BC
A New Phase of Water: Is this measurable with surface tension?

Noah Davidson [14] – St. James-Assiniboia MB
Material Swings

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Kavisha Dayarathna [16] – Thames Valley ON <i>Spices are Key to be Kidney Stone Free</i>
Skye Dusolt [15] – Northwestern Ontario ON <i>Steam with Nanoparticles</i>
Nicolas Fedrigo [16] – Vancouver Island BC <i>Stroke Rehabilitation Exoskeleton</i>
Soheil Ghaffari [15] – South Shore NS <i>Bitten by Lyme Disease</i>
Mihir Gothal [14] – Edmonton AB <i>Bioavailability of Chia Seeds</i>
Lénárd Grossmann [13] – Edmonton AB <i>Swarm Robotics: How Robots Cooperate</i>
Yassin Guitouni [15] – Vancouver Island BC <i>The KNEEd for Power: Harvesting Biomechanical Energy</i>
Eungyung Kim [14] – Central Interior British Columbia BC <i>Reclamation: A systems change to waste management in the operating room</i>
Atanas Kolev [15] – Regina SK <i>Orbital Eccentricity and Solar Energy</i>
Marie-Pier Lacroix [15], Sophie Lacroix [15] – Montréal RM QC <i>Attention, bébé à bord!</i>
Caleb Lammers [15] – Northwestern Ontario ON <i>Zipf's Law Tested Across Age Groups</i>
Samuel Lefrançois [15] – Districts francophones du Nouveau-Brunswick NB <i>La motivation du harle huppé à choisir où mettre tous ses œufs</i>
Claire Larson [15], Leah Macfarlane [15] – Southeast Saskatchewan SK <i>Alzheimer's and Visual Perception</i>
Monica Mahut [15] – Bay Area ON <i>GEARS: Gravitational Electricity Accumulating Renewable Storage</i>
Connor Maxwell [14] – Bluewater ON <i>Hydrological Analysis of Streamflow and Potential Effects of Climate Change</i>
Ruth Meyer [14] – Waterloo-Wellington ON <i>Concede to Me! The Effect of Exit – Signalling on Yield Rates in Roundabouts</i>
Meera Moorthy [15] – Quinte ON <i>Shrubs on Drugs</i>
Catherine Plante [16] – Saguenay-Lac Saint-Jean QC <i>Les bactéries ont la solution!</i>
John Poole [15] – Canadian Rockies AB <i>The Effects of Oil on Mycelial Production of Lignin Peroxidase</i>
Alexandra Pimentel [15], Noémie Poulin [15] – Outaouais QC <i>Une bouteille d'eau bio</i>
Waleed Sawan [15] – Thames Valley ON <i>Drip – A Precision Agriculture System for the Developing World</i>

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Rohan Sethi [14] – Manitoba Schools Science Symposium MB
Effects of Faba Bean Ingredients on Glycemia and Satiety in Novel Food Products

Devarsh Shah [14] – Lambton County ON
A Novel Approach to Non-Invasive Glucose Measurement

Rory Smith [16] – East Kootenay BC
Nuclei Oxidation Therapy: A New Take on Localized Antineoplastics

Dylex Suan [14] – Bay Area ON
Ameliorating Salinity Tolerance in Broccoli Plants by Acclimation

Rahman Tawhid [16] – Cariboo Mainline BC
A Novel Method in Predicting Chronic Disease

Kyra Taylor [16] – 4-H Canada ON
Hydroponic Forage: A Feasible Equine Feed Alternative

Joseph Trottier [16] – Sudbury ON
Connaitre son poids ne suffit pas

Juliette Péloquin [16], **Marie-Philippe Villiard** [16] – Montérégie QC
Asclépiade, un cas isolé

Ethan White [15] – Waterloo-Wellington ON
CPU Load Covert Channels Exploiting Interrupt Latency

Ahnais Young [14] – Prince Edward Island PE
Cerebral Hemispheric Lateralization in Relation to Handedness

Prix d'excellence - Junior

Médaille de bronze

Parrainé par: Sciences jeunesse Canada
Médaille et un certificat

Ethan Aarts [14] – Avon Maitland-Huron Perth ON
If You Shake It, You Break It

Janani Anandan [13] – Peel ON
Green Power of Cactus

Shaaf Babar [12] – Wood Buffalo AB
Street Smart

Andrew Benn [12] – Thames Valley ON
Magnetic Fields and Fluid Flow

Emilie Bordeleau McCallum [13] – Ottawa ON
Cancer Free

Hannah Bryant [13] – Chignecto East NS
Plant Grafting

Lauren Bunt [13] – Quinte ON
Feed Bucket Preference and its Impact on Equine Medication Rejection

Laura Cunningham [13] – Greater Vancouver BC
Salt in Fast Food: No Great Shakes for Your Health

Sebastien Galand [13] – Montreal QC
Bridging The Gap

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



-
- Matthias Gasser** [14] – Canadian Rockies AB
Not Just a Flutter in the Wind
-
- Eve Gilbert** [13] – Simcoe County ON
Independence Plus: A Mobility Aid
-
- Neha Gupta** [12] – Bay Area ON
Development of a Portable System for Detection of Bacteria Using DNA Biomarkers
-
- Jonah Haliburton** [13] – Greater Vancouver BC
The Anchovy: Remotely Operated Submersible
-
- Hillary Huynh** [14] – Yellowknife NT
Quelle est la durée de la mémoire des visages
-
- Marina Ilyas** [13] – Waterloo-Wellington ON
Phixing Physio
-
- Liam Ingram** [13] – West Kootenay & Boundary BC
Can We Fish Better?
-
- Ayanna Jeyakanthan** [12] – Durham ON
The Effects of Microwave Radiation
-
- Etienne Joulin** [14] – Bluewater ON
Musical Personality
-
- Tharindu Kottegoda** [14] – St. James-Assiniboia MB
Energy Harnessing Backpack
-
- Darshana Lanke** [14] – Saskatoon SK
Comparative Study Characterizing Wheat Allergenicity in Ancient and Modern Wheat
-
- Neleah Lavoie** [13] – 4-H Canada ON
Cost-Effective Extraction of Chitin from Lobster Shells
-
- Andrew Li** [13], **Jeremy Xie** [14] – Toronto ON
Self-Sustaining Aquaponics System
-
- Kevin Liu** [13] – Toronto ON
Flowing Through Distinct Watersheds
-
- Edward Lombo** [14] – Bay Area ON
Electrochemical Synthesis of Ammonia
-
- Khadija Manji** [13], **Zoha Sojoudi** [14] – York ON
Sugar or Spice?
-
- Rachel Manzon** [13] – Regina SK
Thermal Tolerance in Lake Whitefish Embryos
-
- Connor McCourt** [12] – Bay Area ON
Grow With the Flow
-
- Catriona McIntosh** [12] – Calgary Youth AB
How Attachment Affects Informed Risk Taking in Adolescents
-
- Anmol Nagra** [13] – Windsor ON
To Bandage or Not to Bandage?
-
- Ayana Nanthakumar** [13] – Peel ON
Keep it Cold and Keep it Clean

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Harry Parmar [13] – York ON
Viola-Bac; Power of Synthetic Biology in Real World

Eshan Rasul [12] – Peel ON
Vitamins: Friend or Foe of Your Gut

Monis Sayyid [12], **Jack Sloan** [13] – Rideau-St. Lawrence ON
Learn The Burn

Mathilde St-Jean Perron [13] – Estrie QC
Cric Crac Croc, on se déhanche

Olivia Calbeck [14], **Julie Taylor** [14] – Bay Area ON
One Step at a Time

Kayli Taylor [13] – 4-H Canada ON
Water Erosion: Will Wood Chips Help Prevent Surface Water Erosion?

Norah Trinh [13] – Lethbridge AB
The Piezoelectric Shoe: Energy from Motion

Reid Tull [13] – Algoma Rotary ON
Perpetual Motion

Olivia Wallace [13] – Ottawa ON
Catch the Flow

Nethra Wickramasinghe [13] – Sudbury ON
Hot Air Insu-Layer

Médaille d'or - Internationaux

Parrainé par: Sciences jeunesse Canada
Médaille et un certificat

Ali Akgül [17], **Eken Ozlu** [16] – Turkey
Thought Controlled Smart House and Wheelchair for People with Paralysis

Roberto Rene Velasquez Garcia [18] – Mexico
Factors that influence the student's decision by the program B@UNAM

Mkg Eroğlu [17], **Bayram Ali Yıldırım** [17] – Turkey
I'm disabled so I can't, let the gloves write for the disabled!

Prix du défi - Ressources

Sénior

Parrainé par: Sciences jeunesse Canada
certificat

Dhvani Patel [17] – Wood Buffalo AB
SMART Agricultural Technology

Prix du défi - Ressources

Intermédiaire

Parrainé par: Sciences jeunesse Canada
certificat

Austin Wu [15], **Kamron Zaidi** [15] – York ON
A Comparative Analysis of Hydroponics, Aeroponics, and Fogponics on Plant Growth

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Prix du défi - Ressources

Parrainé par: Sciences jeunesse Canada
certificat

Neleah Lavoie [13] – 4-H Canada ON
Cost-Effective Extraction of Chitin from Lobster Shells

Prix du défi - Innovation

Sénior

Parrainé par: Sciences jeunesse Canada
certificat

Nora Boone [18] – Eastern Newfoundland NL
It's only Brain Surgery! 3D Printing: Developing a Craniotomy Simulation Tool

Prix du défi - Innovation

Intermédiaire

Parrainé par: Sciences jeunesse Canada
certificat

Amal Aziz [15] – Thames Valley ON
Developing a Trojan Horse to Treat Alzheimer's Disease

Prix du défi - Innovation

Parrainé par: Sciences jeunesse Canada
certificat

Danish Mahmood [13] – Thames Valley ON
W.I.N.I.T.S. (Wireless Interconnected Non-Invasive Triage System)

Prix du défi - Information

Sénior

Parrainé par: Sciences jeunesse Canada
certificat

Dennis Krasnov [16] – Thames Valley ON
Artificial Neural Network for Autonomous Driving

Prix du défi - Information

Intermédiaire

Parrainé par: Sciences jeunesse Canada
certificat

Om Agarwal [14] – Halifax NS
Automotive Collision Detection Network

Prix du défi - Information

Parrainé par: Sciences jeunesse Canada
certificat

Jérémie Gaudreault [13] – Québec et Chaudière-Appalaches QC
Gaudi 2.0 Logiciel pour la génération en 3D de colonnes d'apparence organique

Prix du défi - Santé

Sénior

Parrainé par: AstraZeneca Canada
certificat

Colette Benko [16] – Calgary Youth AB
Novel Pediatric Cancer Therapy: Targeting Epigenetics to Induce Differentiation

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Prix du défi - Santé

Intermédiaire

Parrainé par: AstraZeneca Canada
certificat

Crystal K Radinski [16] – Calgary Youth AB
EEG Coherence as a Marker for Alzheimer's Dementia

Prix du défi - Santé

Parrainé par: AstraZeneca Canada
certificat

Keiran Barr [14] – Frontenac, Lennox & Addington ON
Nicotinamide: Novel Skin Cancer Chemoprevention

Prix du défi - Environnement

Sénior

Parrainé par: Sciences jeunesse Canada
certificat

Phyllis Lesnikov [16] – Greater Vancouver BC
Phytoremediation of Zinc Contaminated Mines Using Novel Transgenic A.Thaliana

Prix du défi - Environnement

Intermédiaire

Parrainé par: Sciences jeunesse Canada
certificat

Yimeng Li [14] – Greater Vancouver BC
Anaerobic Respiration: A Novel Bioelectrochemical Copper Recovery System?

Prix du défi - Environnement

Parrainé par: Sciences jeunesse Canada
certificat

Evan Sharma [13] – Frontenac, Lennox & Addington ON
MMO Cow: How microbiome changes can lower methane emissions from livestock

Prix du défi - Énergie

Sénior

Parrainé par: Sciences jeunesse Canada
certificat

Alexandra Harnagea [16] – Montérégie QC
Triboélectricité : repliez-vous!

Prix du défi - Énergie

Intermédiaire

Parrainé par: Sciences jeunesse Canada
certificat

Ollie Zhao [15] – Greater Vancouver BC
Amp Tree

Prix du défi - Énergie

Parrainé par: Sciences jeunesse Canada
certificat

Aaliyah Mahboubi [13] – Pacific Northwest BC
Microbial-film Power Generation 2.0 – It's about to get cooler

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Prix du défi - Découverte

Sénior

Parrainé par: Sciences jeunesse Canada
certificat

Grant Mansiere [17] – Central Okanagan BC

Why do Aspens Tremble? Adaptations for Self Cleaning and Pest Control

Prix du défi - Découverte

Intermédiaire

Parrainé par: Sciences jeunesse Canada
certificat

John Poole [15] – Canadian Rockies AB

The Effects of Oil on Mycelial Production of Lignin Peroxidase

Prix du défi - Découverte

Parrainé par: Sciences jeunesse Canada
certificat

Dheiksha Jayasankar [12] – Niagara ON

NanoGrow: Nanoparticles as a Plant Growth Enhancer

Prix Jeunesse innovante

Sénior

Parrainé par: La Fondation Gwyn Morgan et Patricia Trottier

Huit projets recevront chacun une bourse 1 000 \$ en argent comptant et un certificat. Quatre de ces lauréates et lauréats des prix Jeunesse innovante recevront en plus une bourse de 7 000 \$ en argent comptant

Colette Benko [16] – Calgary Youth AB

Novel Pediatric Cancer Therapy: Targeting Epigenetics to Induce Differentiation

Nora Boone [18] – Eastern Newfoundland NL

It's only Brain Surgery! 3D Printing: Developing a Craniotomy Simulation Tool

Rushi Gandhi [17], **Saharsh Hariharan** [17] – Peel ON

HapticNav: A Vibrotactile Navigation System for the Visually Impaired

Justin Lin [17] – Manitoba Schools Science Symposium MB

Peptide-Directed Knockdown of Misfolded SOD1 by Chaperone – Mediated

Dhruvil Shah [17] – Wood Buffalo AB

Enhancing Electrolysis: Discovering the Separation of the Faradic Currents

Charles Wang [16], **Spencer Zzulka** [16] – South Fraser BC

*Solar-Powered Production of Clean Fuel by the Fermentation of *C. acetobutylicum**

Tim Wu [16] – Calgary Youth AB

Exploring the Novel Use of Eggshells to Address Organic Solar Cell Instability

Bowen Xue [17] – Ottawa ON

Developing Aptamer-Based Targeted Imaging Probes for the Diagnosis of Stroke

Prix Jeunesse innovante

Sénior

Parrainé par: La Fondation Gwyn Morgan et Patricia Trottier

Huit projets recevront chacun une bourse 1 000 \$ en argent comptant et un certificat. Quatre de ces lauréates et lauréats des prix Jeunesse innovante recevront en plus une bourse de 7 000 \$ en argent comptant

Rushi Gandhi [17], **Saharsh Hariharan** [17] – Peel ON

HapticNav: A Vibrotactile Navigation System for the Visually Impaired

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Justin Lin [17] – Manitoba Schools Science Symposium MB
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Tim Wu [16] – Calgary Youth AB
Exploring the Novel Use of Eggshells to Address Organic Solar Cell Instability

Prix Jeunesse innovante

Intermédiaire

Parrainé par: La Fondation Gwyn Morgan et Patricia Trottier
Quatre projets recevront chacun une bourse de 750 \$ en argent comptant et un certificat

Amal Aziz [15] – Thames Valley ON
Developing a Trojan Horse to Treat Alzheimer's Disease

Yimeng Li [14] – Greater Vancouver BC
Anaerobic Respiration: A Novel Bioelectrochemical Copper Recovery System?

Crystal K Radinski [16] – Calgary Youth AB
EEG Coherence as a Marker for Alzheimer's Dementia

Nattan Telmer [14] – Vancouver Island BC
Powering Animal Trackers With Thermal Electric Generators (TEGs)

Prix Jeunesse innovante

Junior

Parrainé par: La Fondation Gwyn Morgan et Patricia Trottier
Quatre projets recevront chacun une bourse de 500 \$ en argent comptant et un certificat

Naomie Azzi [13] – Ottawa ON
Béquilles-o-jnou

Danish Mahmood [13] – Thames Valley ON
W.I.N.I.T.S. (Wireless Interconnected Non-Invasive Triage System)

Bhavya Mohan [14] – Ottawa ON
A Novel Lab on a Chip based PCR Sensor for Disease Diagnostics for Under \$1

Harry Parmar [13] – York ON
Viola-Bac; Power of Synthetic Biology in Real World

Prix d'excellence scientifique « Weizmann Canada »

Sénior

Parrainé par: Weizmann Canada
Le prix permet de participer au programme d'été de sciences à l'Institut Weizmann en Israël, y compris l'inscription et le billet aller-retour par avion. Ce programme d'été de sciences aura lieu du 4 au 30 juillet 2017. La valeur totale est de 9 000 \$.

Emily Gubski [17] – Calgary Youth AB
Inducing Delta 32 mutation in CCR5 T-cells to develop HIV immunity in patients

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Bourse de recherche de premier cycle de l'Université d'Ottawa

Sénior

Parrainé par: Université d'Ottawa, Faculté des sciences

La lauréate ou le lauréat travaillera sous l'égide de scientifiques et participera à des découvertes scientifiques importantes pendant deux stages d'été consécutifs. Au cours de l'été précédant sa première année d'études dans un programme de premier cycle à la Faculté des sciences de l'Université d'Ottawa, la lauréate ou le lauréat gagnera 3 750 \$ en tant que chercheur pour un des professeurs de niveau international. En complétant la première année d'études avec succès, l'expérience de recherche sera prolongée lors d'un second stage d'été au cours duquel il ou elle gagnera 6 250 \$.

Colette Benko [16] – Calgary Youth AB

Novel Pediatric Cancer Therapy: Targeting Epigenetics to Induce Differentiation

Prix du Groupe de biostatistique de la Société statistique du Canada

Intermédiaire

Parrainé par: Groupe biostatistique, Société statistique du Canada

750 \$ en argent comptant et un certificat

Crystal K Radinski [16] – Calgary Youth AB

EEG Coherence as a Marker for Alzheimer's Dementia

Prix de la Société statistique du Canada

Sénior

Parrainé par: Société statistique du Canada

1 000 \$ en argent comptant et un certificat

Advait Maybhat [16] – Waterloo-Wellington ON

A New Approach to Motif Discovery

Bourse d'étude SHAD

Sénior

Parrainé par: SHAD

Bourse d'étude de 1 000 \$ pour le programme SHAD et certificat. Ce programme aide des élèves exceptionnels du secondaire à se prendre en charge afin de les amener à reconnaître leurs propres capacités et à entrevoir leur potentiel extraordinaire à la fois comme leaders de demain et comme instigateurs de changement. Chaque année, SHAD offre l'occasion à plus de 750 élèves de partout au Canada et de l'étranger de prendre part à un programme d'été d'une durée d'un mois, en résidence à l'une des universités hôtes canadiennes., axé sur les STIAM (sciences, technologie, ingénierie, arts et mathématiques).

Phyllis Lesnikov [16] – Greater Vancouver BC

Phytoremediation of Zinc Contaminated Mines Using Novel Transgenic A.Thaliana

Bourse d'étude SHAD

Intermédiaire

Parrainé par: SHAD

Bourse d'étude de 1 000 \$ pour le programme SHAD et certificat. Ce programme aide des élèves exceptionnels du secondaire à se prendre en charge afin de les amener à reconnaître leurs propres capacités et à entrevoir leur potentiel extraordinaire à la fois comme leaders de demain et comme instigateurs de changement. Chaque année, SHAD offre l'occasion à plus de 750 élèves de partout au Canada et de l'étranger de prendre part à un programme d'été d'une durée d'un mois, en résidence à l'une des universités hôtes canadiennes., axé sur les STIAM (sciences, technologie, ingénierie, arts et mathématiques).

Dayna Harper [16] – Island Lakes MB

Plants and Magnets

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Prix S.M. Blair Family Foundation

Sénior

Parrainé par: S.M. Blair Family Foundation
1 000 \$ en argent comptant et un certificat

Nicole Schmidt [17] – Calgary Youth AB
Optimizing Fluid Flow Systems

Prix S.M. Blair Family Foundation

Intermédiaire

Parrainé par: S.M. Blair Family Foundation
750 \$ en argent comptant et un certificat

Nattan Telmer [14] – Vancouver Island BC
Powering Animal Trackers With Thermal Electric Generators (TEGs)

Prix S.M. Blair Family Foundation

Parrainé par: S.M. Blair Family Foundation
500 \$ en argent comptant et un certificat

Danish Mahmood [13] – Thames Valley ON
W.I.N.I.T.S. (Wireless Interconnected Non-Invasive Triage System)

Prix de l'énergie renouvelable

Sénior

Parrainé par: Ontario Power Generation
1 000 \$ en argent comptant et un certificat

Caroline Mahut [18] – Bay Area ON
Catch the Wave: Harnessing Electricity from Aqueous Sinusoidal Oscillations

Prix de l'énergie renouvelable

Intermédiaire

Parrainé par: Ontario Power Generation
750 \$ en argent comptant et un certificat

Monica Mahut [15] – Bay Area ON
GEARS: Gravitational Electricity Accumulating Renewable Storage

Prix de l'énergie renouvelable

Parrainé par: Ontario Power Generation
500 \$ en argent comptant et un certificat

Aaliyah Mahboubi [13] – Pacific Northwest BC
Microbial-film Power Generation 2.0 – It's about to get cooler

Prix de la fondation « Nutriments pour la vie »

Intermédiaire

Parrainé par: Nutrients for Life Foundation Canada
750 \$ en argent comptant et un certificat

Austin Wu [15], **Kamron Zaidi** [15] – York ON
A Comparative Analysis of Hydroponics, Aeroponics, and Fogponics on Plant Growth

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Prix de l'École d'été internationale pour les jeunes physiciens

Sénior

Parrainé par: l'Institut Périmètre pour la physique théorique

Le prix consiste en une bourse complète pour participer à l'École d'été internationale pour les jeunes physiciens 2017 (ISSYP 2017) du 16 au 29 juillet, un programme intensif avancé de deux semaines qui présentera à l'élève l'image fascinante de notre univers tel qu'il est vu par les physiciens contemporains : du monde quantique bizarre des atomes et des particules subatomiques aux trous noirs, de la distorsion du temps et de l'espace à l'expansion de l'univers. L'élève rencontrera des physiciens professionnels à l'Institut Périmètre au cours de séances de mentorat conçues pour de petits groupes, fera des excursions dans des laboratoires de science expérimentale de premier plan, et se liera d'amitié avec des jeunes gens ayant les mêmes goûts qu'eux et venant du monde entier. La bourse comprend le coût du logement, des repas et du voyage à destination et en provenance de l'Institut. Valeur totale de 3 500 \$.

Dennis Krasnov [16] – Thames Valley ON

Artificial Neural Network for Autonomous Driving

Prix des 4-H du Canada — Agriculture durable

Parrainé par: 4-H du Canada

500 \$ en argent comptant et un certificat

Evan Sharma [13] – Frontenac, Lennox & Addington ON

MMO Cow: How microbiome changes can lower methane emissions from livestock

Prix des 4-H du Canada — Sécurité alimentaire

Parrainé par: 4-H du Canada

500 \$ en argent comptant et un certificat

Sabrina Mogus [12] – Bay Area ON

Don't Feast on Your Fleece

Prix de First Nations University of Canada (Université des Premières Nations du Canada)

Junior

Parrainé par: First Nations University of Canada

500 \$ en argent comptant et un certificat

Skylin Desjarlais [13], **Deshawn McKay** [14] – Manitoba First Nations MB

Wiggle it, Just a Little Bit

Prix d'excellence en astronomie

Intermédiaire

Parrainé par: La Société royale d'astronomie du Canada

Un télescope, un certificat et un abonnement d'un an à la SRAC.

Atanas Kolev [15] – Regina SK

Orbital Eccentricity and Solar Energy

Prix d'excellence en astronomie

Parrainé par: La Société royale d'astronomie du Canada

Un télescope, un certificat et un abonnement d'un an à la SRAC.

Rose Cloutier [14], **Virginie Paquet** [14] – Québec et Chaudière-Appalaches QC

Les exoplanètes

Prix de l'innovation en génie

Intermédiaire

Parrainé par: L'Institut canadien des ingénieurs

750 \$ en argent comptant et un certificat

Louis-Philippe Belley [15], **Jonathan Lévesque** [16] – Québec et Chaudière-Appalaches QC

BlackFly: l'analyseur de gaz

Récipiendaires des prix

Expo-sciences pancanadienne 2017

Regina (Saskatchewan)



Prix Carlson Wagonlit

Parrainé par: Carlson Wagonlit Travel
500 \$ en argent comptant et un certificat

Nicole Sonnichsen [12] – West Kootenay & Boundary BC
The Tesla Smarkade – Wireless Electric Car Charging Parkade

Prix en physique de l'ACP

Sénior

Parrainé par: Association canadienne des physiciens et physiciennes
1 000 \$ en argent comptant et un certificat.

Marin Schultz [16] – Lethbridge AB
Novel Prosthetic AutoGrasp Control System and Human-Prosthetic Interface

Prix en physique de l'ACP

Intermédiaire

Parrainé par: Association canadienne des physiciens et physiciennes
750 \$ en argent comptant et un certificat

Melody Cheng [16] – Vancouver Island BC
A New Phase of Water: Is this measurable with surface tension?

Prix en physique de l'ACP

Junior

Parrainé par: Association canadienne des physiciens et physiciennes
500 \$ en argent comptant et un certificat

Daniel Kornylo [13] – Northern Vancouver Island BC
High School Voltage

Prix du concours junior canadien au sujet de l'eau, à Stockholm

Sénior

Parrainé par: Les associations membres canadiennes de la WEF, l'Association canadienne des eaux potables et
Un voyage toutes dépenses payées à Stockholm (Suède), du 27 août au 1er septembre 2017, pour l'élève
ou les élèves du projet gagnant afin de représenter le Canada au Concours junior international au sujet de
l'eau, à Stockholm. www.sjwp.ca

Victoria Chouinard [17] – Québec et Chaudière-Appalaches QC
L'ADNe... Euh! C'est quoi?

Azin Dolatabadi [15], **Jaslin Ghotra** [17] – Southeast Alberta AB
A Seed-E Alternative to Water Treatment

Nicole Schmidt [17] – Calgary Youth AB
Optimizing Fluid Flow Systems

Prix de la Société canadienne de science de laboratoire médical

Intermédiaire

Parrainé par: Société canadienne de science de laboratoire médical
750 \$ en argent comptant et un certificat

Devarsh Shah [14] – Lambton County ON
A Novel Approach to Non-Invasive Glucose Measurement

Récipiendaires des prix

Expo-sciences pancanadienne 2017 Regina (Saskatchewan)



Prix de la Société canadienne des clinico-chimistes

Sénior

Parrainé par: La Société canadienne des clinico-chimistes
1 000 \$ en argent comptant et un certificat

Justin Lin [17] – Manitoba Schools Science Symposium MB
Peptide-Directed Knockdown of Misfolded SOD1 by Chaperone – Mediated

Prix de la Fédération canadienne des sociétés orchidophiles

Sénior

Parrainé par: Canadian Orchid Congress
1 000 \$ en argent comptant et un certificat

Jordan Winter [17] – Algoma Rotary ON
Destructor destruction: Could this Bee the end?

Prix de l'Association canadienne pour le Club de Rome

Sénior

Parrainé par:
1 000 \$ en argent comptant et un certificat

Emeric Proulx [17] – Rive-Nord QC
Hydropulsoréacteur

Prix de l'Association pour l'intelligence artificielle au Canada

Parrainé par: Association pour l'intelligence artificielle au Canada
500 \$ en argent comptant et un certificat

Emilie Bordeleau McCallum [13] – Ottawa ON
Cancer Free

Prix de l'Association canadienne d'acoustique

Sénior

Parrainé par: L'Association canadienne d'acoustique
1 000 \$, en argent comptant, un certificat et un abonnement au périodique trimestriel de l'Association canadienne de l'acoustique.

Ayemen Faridi [17] – Durham ON
Mastermind: The Effect of White Noise on Cognitive Concentration in Females

Prix de La Fondation actuarielle du Canada

Sénior

Parrainé par: La fondation actuarielle du Canada
1 000 \$ en argent comptant et un certificat

Tasnia Nabil [16] – Windsor ON
A Novel Computational Tool to Advance Ferromagnetic NanoTherapy to Cure Cancer

Prix de La Fondation actuarielle du Canada

Intermédiaire

Parrainé par: La fondation actuarielle du Canada
750 \$ en argent comptant et un certificat

Om Agarwal [14] – Halifax NS
Automotive Collision Detection Network

Prix de La Fondation actuarielle du Canada

Parrainé par: La fondation actuarielle du Canada
500 \$ en argent comptant et un certificat

Jérémie Gaudreault [13] – Québec et Chaudière-Appalaches QC
Gaudí 2.0 Logiciel pour la génération en 3D de colonnes d'apparence organique