

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



EnCana Best in Fair Award

Sponsor: EnCana Corporation
Award, \$10,000 cash

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

EnCana Platinum Award - Best Senior Project

Sponsor: EnCana Corporation
Award, \$5000 cash

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

EnCana Platinum Award - Best Intermediate Project

Sponsor: EnCana Corporation
Award, \$5000 cash

Nirusan Jayaranjan [15] – Manitoba Schools Science Symposium MB
Voice Activated Navigation for the Blind

EnCana Platinum Award - Best Junior Project

Sponsor: EnCana Corporation
Award, \$5000 cash

Brent Murphy [13] – Manitoba Schools Science Symposium MB
Garlic's Potential as a Biological Seed Treatment

Gold Medal - Physical & Mathematical Sciences

Junior

Sponsor: EnCana Corporation
Medal, \$1500 cash & certificate

Scott Cameron [13], **Alan Stagg** [14] – Bay Area ON
Pykrete: the new concrete?

Gold Medal - Physical & Mathematical Sciences

Intermediate

Sponsor: EnCana Corporation
Medal, \$1500 cash & certificate

Jordan Wentzell [13] – Northwestern Ontario ON
Hydrogen Storage Using Steel Wool

Gold Medal - Physical & Mathematical Sciences

Senior

Sponsor: EnCana Corporation
Medal, \$1500 cash & certificate

Alice Jourmel [16] – Vancouver Island BC
Dynamic Testing of Strength and Vibration Properties of Hardwoods

Gold Medal - Life Sciences

Junior

Sponsor: Pfizer Canada
Medal, \$1500 cash & certificate

Rachel Brown [14], **Katie Van der Sloot** [13] – Kiwanis Southeast Alberta AB
Plastic-Safe or Not?

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Gold Medal - Life Sciences

Intermediate

Sponsor: Pfizer Canada
Medal, \$1500 cash & certificate

Nicholas Randall [15] – Central Okanagan BC
Fungi MB

Gold Medal - Life Sciences

Senior

Sponsor: Pfizer Canada
Medal, \$1500 cash & certificate

Aaron Hakim [16] – Bay Area ON
Microarray Profiling of Gene Expression in the Normal Aging Brain of Drosophila

Gold Medal - Health Sciences

Junior

Sponsor: Canadian Institutes of Health Research
Medal, \$1500 cash & certificate

Adelina Corina Cozma [12] – York ON
Learning Styles and Strengths of 7th Graders

Gold Medal - Health Sciences

Intermediate

Sponsor: Canadian Institutes of Health Research
Medal, \$1500 cash & certificate

Ian Cholmondeley [14], **Jesse Purvis** [14] – Frontenac, Lennox & Addington ON
Wii Will Rock You

Gold Medal - Health Sciences

Senior

Sponsor: Canadian Institutes of Health Research
Medal, \$1500 cash & certificate

Éveline Arpin [17], **Élizabeth Cyr Marcotte** [16] – Montérégie QC
Quand la santé part en fumée!

Gold Medal - Environmental Innovation

Junior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$1500 cash, \$10,000 scholarship & certificate

Victoria-Marie Cusson [14] – Ottawa ON
La valorisation écologique des déchets ménagers en biogaz

Gold Medal - Environmental Innovation

Intermediate

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$1500 cash, \$10,000 scholarship & certificate

Megan Schlorff [15] – Bluewater ON
Let the River Flow

Gold Medal - Environmental Innovation

Senior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$1500 cash, \$10,000 scholarship & certificate

Darren Rodenhizer [18] – South Shore NS
Clean Energy from Scrap Tire Combustion

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



YSF-FSJ
CANADA

Gold Medal - Engineering

Junior

Sponsor: Youth Science Foundation Canada
Medal, \$1500 cash & certificate

Christopher Chopcian [13] – Lambton County ON
Control Innovations for Quadriplegics

Gold Medal - Engineering

Intermediate

Sponsor: Youth Science Foundation Canada
Medal, \$1500 cash & certificate

Nirusan Jayaranjan [15] – Manitoba Schools Science Symposium MB
Voice Activated Navigation for the Blind

Gold Medal - Engineering

Senior

Sponsor: Youth Science Foundation Canada
Medal, \$1500 cash & certificate

David Castelino [18] – Peel ON
Photonic Boom

Gold Medal - Earth & Environmental Sciences

Junior

Sponsor: Petro-Canada
Medal, \$1500 cash & certificate

Victoria-Marie Cusson [14] – Ottawa ON
La valorisation écologique des déchets ménagers en biogaz

Gold Medal - Earth & Environmental Sciences

Intermediate

Sponsor: Petro-Canada
Medal, \$1500 cash & certificate

Megan Schlorff [15] – Bluewater ON
Let the River Flow

Gold Medal - Earth & Environmental Sciences

Senior

Sponsor: Petro-Canada
Medal, \$1500 cash & certificate

Robert Buchkowski [18] – Peterborough ON
The Leaching of Bisphenol-A from Polycarbonate Bottles

Gold Medal - Computing & Information Technology

Junior

Sponsor: Intel of Canada
Medal, \$1500 cash & certificate

James Harris [14] – Chignecto East NS
How Has English Vocabulary Changed Over Time?

Gold Medal - Computing & Information Technology

Intermediate

Sponsor: Intel of Canada
Medal, \$1500 cash & certificate

Christopher Nielsen [14] – Calgary Youth AB
Generating NURBS Surfaces through 3D Silhouette Scanning

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



YSF·FSJ
CANADA

Gold Medal - Computing & Information Technology

Senior

Sponsor: Intel of Canada
Medal, \$1500 cash & certificate

Jean-Olivier Lambert [17] – Timmins ON
Opération Simulation

Gold Medal - Biotechnology & Pharmaceutical Sciences

Junior

Sponsor: Rx&D Health Research Foundation
Medal, \$1500 cash & certificate

Brent Murphy [13] – Manitoba Schools Science Symposium MB
Garlic's Potential as a Biological Seed Treatment

Gold Medal - Biotechnology & Pharmaceutical Sciences

Intermediate

Sponsor: Rx&D Health Research Foundation
Medal, \$1500 cash & certificate

Steven Zhu [16] – Greater Vancouver BC
Garlic Against Genotoxicity

Gold Medal - Biotechnology & Pharmaceutical Sciences

Senior

Sponsor: Rx&D Health Research Foundation
Medal, \$1500 cash & certificate

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

Gold Medal - Automotive

Junior

Sponsor: AUTO21
Medal, \$1500 cash & certificate

Christopher Chopcian [13] – Lambton County ON
Control Innovations for Quadriplegics

Gold Medal - Automotive

Intermediate

Sponsor: AUTO21
Medal, \$1500 cash & certificate

Nirusan Jayaranjan [15] – Manitoba Schools Science Symposium MB
Voice Activated Navigation for the Blind

Gold Medal - Automotive

Senior

Sponsor: AUTO21
Medal, \$1500 cash & certificate

Evan Woo [18], **Tony Xiao** [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Silver Medal - Physical & Mathematical Sciences

Junior

Sponsor: EnCana Corporation
Medal, \$700 cash & certificate

Adam Parsons [14] – Eastern Newfoundland NL
Which Golf Ball to Use: A Study of Bounce Height and Drive Distance

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Maxwell Grimshaw Poole [12] – Tri-County NS

Does The Angle Of Your Ankle Affect The Propulsion of Your Flutter Kick?

Silver Medal - Physical & Mathematical Sciences

Intermediate

Sponsor: EnCana Corporation
Medal, \$700 cash & certificate

Tim Rappon [16] – Northwestern Ontario ON

Kick the Carbon Crave: Convert CO₂ to Fuels

Kienan Marion [16] – Calgary Youth AB

Gravity: Through the Looking Glass

Silver Medal - Physical & Mathematical Sciences

Senior

Sponsor: EnCana Corporation
Medal, \$700 cash & certificate

Benoit Landry [17], **Alexandre Turbide** [17] – Rive-Nord QC

OSUM

Stéphanie Brisson [17] – Québec et Chaudière-Appalaches QC

Origine: inconnue

Silver Medal - Life Sciences

Junior

Sponsor: Pfizer Canada
Medal, \$700 cash & certificate

Abby Herrington [13] – Fundy NB

The Power of Polymer

Rebecca Sandrelli [13] – Renfrew County ON

Bugs on Drugs

Silver Medal - Life Sciences

Intermediate

Sponsor: Pfizer Canada
Medal, \$700 cash & certificate

Graham Batty [15] – Victoria County ON

Left? or Right? - Lateral Dominance in Cats

Jessica Wang [15] – Saskatoon SK

Taste the Rainbow

Silver Medal - Life Sciences

Senior

Sponsor: Pfizer Canada
Medal, \$700 cash & certificate

Justine Tarini [17] – Sudbury ON

Plant Coma: A New Tool For Forensic Scientists

Ashley Millette [16] – Quinte ON

*Ocular pigmentation and longevity in *Drosophila melanogaster*.*

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Ottawa, Ontario



Silver Medal - Health Sciences

Junior

Sponsor: Canadian Institutes of Health Research
Medal, \$700 cash & certificate

Matt Kirby [14] – Waterloo-Wellington ON
Effect of Glucocorticoids on Nicotine Metabolism

Danielle Shwed [12] – Simcoe County ON
Eye Spy: Variables That Affect Peripheral Vision

Silver Medal - Health Sciences

Intermediate

Sponsor: Canadian Institutes of Health Research
Medal, \$700 cash & certificate

Kim Pawliw [15] – Estrie QC
Docteur Bob l'Éponge

Adam Mertens [15] – South Shore NS
Ocular Trauma

Silver Medal - Health Sciences

Senior

Sponsor: Canadian Institutes of Health Research
Medal, \$700 cash & certificate

Victor Li [16] – Manitoba Schools Science Symposium MB
Hypericin Phototoxicity: A Novel Strategy for Cancer Treatment

Joseph McNeil [17] – Strait NS
Camellia Sinensis as an Aid in Regenerative Nerve Therapy

Silver Medal - Environmental Innovation

Junior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$700 cash & certificate

Stéphane Aroca-Ouellette [13] – Greater Vancouver BC
Mechanics of Bioplastics

Anna Yamashita [14] – Windsor ON
Clay Advanced System For Cooling

Silver Medal - Environmental Innovation

Intermediate

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$700 cash & certificate

Karlee LaBerge [15], **Lauren Murdoch** [15] – Timmins ON
Making Bricks from Mine Tailings

Sarah Dalziel [14] – West Kootenay & Boundary BC
The Woad to a Sustainable Blue Colourant, Phase Two

Silver Medal - Environmental Innovation

Senior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$700 cash & certificate

Jonathan Riverin [16], **Laurence Tremblay** [16] – Saguenay-Lac Saint-Jean QC
Appuyez sur le champignon!

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

Silver Medal - Engineering

Junior

Sponsor: Youth Science Foundation Canada
Medal, \$700 cash & certificate

Jenna Schlorff [12] – Bluewater ON
Think Fast!

Alex Yang [13] – Greater Vancouver BC
X-CoP 101 - "eXternal COnTrolled Prosthesis"

Silver Medal - Engineering

Intermediate

Sponsor: Youth Science Foundation Canada
Medal, \$700 cash & certificate

Gary Kurek [16] – Edmonton AB
The Rollator Wheelchair Hybrid 2: Attaching The Freedom Of Independent Mobility

Graham Mann [15] – South Shore NS
Some Like It Hot! Using Thermoelectrics to Recover Waste Heat from a Car Engine

Silver Medal - Engineering

Senior

Sponsor: Youth Science Foundation Canada
Medal, \$700 cash & certificate

David Gagnon [17] – Outaouais QC
Revêtement nature

Matthew Thiffault [18] – Niagara ON
Weather Observation UAV

Silver Medal - Earth & Environmental Sciences

Junior

Sponsor: Petro-Canada
Medal, \$700 cash & certificate

Stéphane Aubin [12], **Michael Najm** [12] – Ottawa ON
Papier recyclé : la nouvelle génération

Natalia Chadee [14] – Peel ON
Green Plastics: Saving Our Environment One Bag at a Time

Silver Medal - Earth & Environmental Sciences

Intermediate

Sponsor: Petro-Canada
Medal, \$700 cash & certificate

Elise Tessier [16] – Conseil scolaire acadien provincial (CSAP) NS
Le compost améliore la santé des pommiers et réduit l'infestation des acarie

Fiona Emdin [14] – Quinte ON
Priming and exogenous treatments for salt stress in Phaseolus vulgaris.

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Silver Medal - Earth & Environmental Sciences

Senior

Sponsor: Petro-Canada
Medal, \$700 cash & certificate

Jonathan Riverin [16], Laurence Tremblay [16] – Saguenay-Lac Saint-Jean QC
Appuyez sur le champignon!

Andrew Foody [16] – Ottawa ON
The Missing Piece of Global Warming

Silver Medal - Computing & Information Technology

Junior

Sponsor: Intel of Canada
Medal, \$700 cash & certificate

Abigail McLagan [12] – Rideau-St. Lawrence ON
The Ants Go Marching...

Collin Fair [13] – Central Alberta AB
DropBox

Silver Medal - Computing & Information Technology

Intermediate

Sponsor: Intel of Canada
Medal, \$700 cash & certificate

Phillippa Gosine [15] – Eastern Newfoundland NL
InVision: An Intelligent System for Automated Image Analysis

Kent Williams-King [14] – Calgary Youth AB
Developing FiftyTwo

Silver Medal - Computing & Information Technology

Senior

Sponsor: Intel of Canada
Medal, \$700 cash & certificate

Stephen Portillo [16] – Edmonton AB
On the Right Path

Evan Woo [18], Tony Xiao [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Silver Medal - Biotechnology & Pharmaceutical Sciences

Junior

Sponsor: Rx&D Health Research Foundation
Medal, \$700 cash & certificate

Brandon Doyle [14] – Prince Edward Island PE
Spice up Your Life

Tatjana Medakovic [14], Wardah Nasir [14] – Bay Area ON
Quit Buggin'

Silver Medal - Biotechnology & Pharmaceutical Sciences

Intermediate

Sponsor: Rx&D Health Research Foundation
Medal, \$700 cash & certificate

Stephanie Gallant [14] – Eastern Newfoundland NL
Larch Tea: An Antibacterial Solution?

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Courtney Halldorson [14] – Parkland SK
Change is a Must(ard)!

Silver Medal - Biotechnology & Pharmaceutical Sciences

Senior

Sponsor: Rx&D Health Research Foundation
Medal, \$700 cash & certificate

Yang Li [18], **Wei-Wei Zhang** [17] – Calgary Youth AB
Alzheimer's Disease: PARs to the Rescue

Linda Kim [17] – Niagara ON
Antibacterial Activity of Canadian Honeys: Isolation of Active Constituents Usin

Silver Medal - Automotive

Junior

Sponsor: AUTO21
Medal, \$700 cash & certificate

Jenna Schlorff [12] – Bluewater ON
Think Fast!

Reuben Gurupatham [13] – Peel ON
Jatropha Oil - Saving the Environment, One Drop at a Time

Silver Medal - Automotive

Intermediate

Sponsor: AUTO21
Medal, \$700 cash & certificate

Sébastien Chénier [16] – Outaouais QC
Un moteur écologique

Glendon Hass [15] – Chinook Country AB
Hydrogen Fuel Cell: Effect of Altitude on Energy Output

Silver Medal - Automotive

Senior

Sponsor: AUTO21
Medal, \$700 cash & certificate

Ai Quoc Bui [18] – Windsor ON
Dying For A Sleep

Shannon Hughes [17] – Timmins ON
Out of Thin Air

Bronze Medal - Physical & Mathematical Sciences

Junior

Sponsor: EnCana Corporation
Medal, \$300 cash & certificate

Florent Herbinger [14] – Halifax NS
Tracking the sun

Kais Khimji [12], **Eric Liu** [12] – Greater Vancouver BC
Come and Get Your Coffee While It's Hot!

Zach Poole [12] – Chinook Country AB
Stocks: Predicting When To Sell

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Bronze Medal - Physical & Mathematical Sciences

Intermediate

Sponsor: EnCana Corporation
Medal, \$300 cash & certificate

Guillaume Laliberté [15] – Estrie QC

Le plasma: bien plus qu'un état

Virginia Georgallas [16] – Strait NS

All Packed Up: A Study in Random Close Packing

Jennifer Standen [16] – Simcoe County ON

A Greener Road

Bronze Medal - Physical & Mathematical Sciences

Senior

Sponsor: EnCana Corporation
Medal, \$300 cash & certificate

Marjorie Dessureault [18] – Mauricie, Centre-du-Québec QC

La chasse aux étoiles

John Coccimiglio [17], **Mario Nucci** [17] – Northwestern Ontario ON

The Winds of Change: The Superior by Nature Energy Plan

Naomi Victoria Fredeen [17] – Central Okanagan BC

Fourier Analysis on Violin Tone

Bronze Medal - Life Sciences

Junior

Sponsor: Pfizer Canada
Medal, \$300 cash & certificate

Caroline Kovesi [14] – Ottawa ON

Musical Diaphragms?

Ashley Nicole Anderson [12] – Central Interior British Columbia BC

Predicting Penalty Minutes

Nicholas Carverhill [13] – Fransaskoise SK

Les champignons et les antioxydants

Bronze Medal - Life Sciences

Intermediate

Sponsor: Pfizer Canada
Medal, \$300 cash & certificate

Supritha Nilam [15] – Niagara ON

Do Anti-Oxidants Boost a Plant's Dynamics

Kyle Schole [14] – Edmonton AB

More to Light than Meets the Eye Phase II

Uliana Maria Kovaltchouk [15] – Winnipeg Schools MB

*Cell Cycle Control of Transformation in *Saccharomyces Cerevisiae**

Bronze Medal - Life Sciences

Senior

Sponsor: Pfizer Canada
Medal, \$300 cash & certificate

Bhuvana Sankaranarayanan [16] – Calgary Youth AB

Let there be Light

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Sarah Langer [16] – Peterborough ON
Human Decomposition

Ronan Lefol [16] – Fransaskoise SK
Les graines de la Saskatchewan: un apport assuré en sélénium

Bronze Medal - Health Sciences

Junior

Sponsor: Canadian Institutes of Health Research
Medal, \$300 cash & certificate

Clarissa Fortin [13] – Bluewater ON
Drop Dead Gorgeous

Sarah Mack [14] – South Shore NS
The Fat In Your Fries

Sarah Pritchard [13] – Northern Manitoba MB
What's the Point?

Bronze Medal - Health Sciences

Intermediate

Sponsor: Canadian Institutes of Health Research
Medal, \$300 cash & certificate

Courtney Bachman [16], **Bryna Jaindl** [15] – Northwest Saskatchewan SK
Perceptual Blindness

Marie-Eve Arpin [15] – Montérégie QC
À cheval vers la guérison!

Claire Edgcumbe [16] – Greater Vancouver BC
Ceasing Seizures

Bronze Medal - Health Sciences

Senior

Sponsor: Canadian Institutes of Health Research
Medal, \$300 cash & certificate

Woohyuk Jang [20] – York ON
The Effects of Humanoid Avatar Gaze on Chat Communication in Virtual Worlds

Zamir Merali [16], **Ryan Willick** [16] – North Bay ON
Go With the Flow

Prashanthi Baskaran [17] – Ottawa ON
Detecting Atherosclerosis - Cytokine Profiling of Peritoneal Macrophages Exposed

Bronze Medal - Environmental Innovation

Junior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$300 cash & certificate

Kelsey Mostertman [13] – Fraser Valley BC
Bye-Bye Birdies

Brandon Courchene [14], **Cody Courchene** [15] – Manitoba First Nations MB
The Effect of Automation on Wild Rice Harvest

Ben Underwood [13] – Avon Maitland-Huron Perth ON
Green Eggs and Beef

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Bronze Medal - Environmental Innovation

Intermediate

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$300 cash & certificate

Supritha Nilam [15] – Niagara ON
Do Anti-Oxidants Boost a Plant's Dynamics

Elise Tessier [16] – Conseil scolaire acadien provincial (CSAP) NS
Le compost améliore la santé des pommiers et réduit l'infestation des acarie

Courtney Halldorson [14] – Parkland SK
Change is a Must(ard)!

Bronze Medal - Environmental Innovation

Senior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
Medal, \$300 cash & certificate

David Gagnon [17] – Outaouais QC
Revêtement nature

Pinky Langat [18], **Chris Palmer** [18] – Waterloo-Wellington ON
Bright Future of Energy: Dye-Sensitized Solar Cells

David Castelino [18] – Peel ON
Photonic Boom

Bronze Medal - Engineering

Junior

Sponsor: Youth Science Foundation Canada
Medal, \$300 cash & certificate

Devon Sawatzky [14] – Manitoba Schools Science Symposium MB
Sense What You Can't Hear

Jonas Ordman [12] – Calgary Youth AB
Cast Innovation: Reducing the Risk

Simon Trivett [13] – Prince Edward Island PE
Ocean Power

Bronze Medal - Engineering

Intermediate

Sponsor: Youth Science Foundation Canada
Medal, \$300 cash & certificate

Sébastien Chénier [16] – Outaouais QC
Un moteur écologique

Mackenzie Carter [16] – Waterloo-Wellington ON
The Coanda Conundrum

Glendon Hass [15] – Chinook Country AB
Hydrogen Fuel Cell: Effect of Altitude on Energy Output

Bronze Medal - Engineering

Senior

Sponsor: Youth Science Foundation Canada
Medal, \$300 cash & certificate

Darren Rodenhizer [18] – South Shore NS
Clean Energy from Scrap Tire Combustion

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Jessica Ngai [16] – Toronto ON
Drag or Not to Drag: A New VAWT Design

Nishant Balakrishnan [18] – Manitoba Schools Science Symposium MB
...And Then There Were None: A Tale of a Land Mine Sweeper

Bronze Medal - Earth & Environmental Sciences

Junior

Sponsor: Petro-Canada
Medal, \$300 cash & certificate

Stephanie Gaglione [13] – York ON
The Effects of Nitrogen and Phosphorus Fertilizers on the Bioremediation of Oil

Jasmyn Cunningham [13] – Frontenac, Lennox & Addington ON
Affected or Not Affected - That is the Question

Reuben Gurupatham [13] – Peel ON
Jatropha Oil - Saving the Environment, One Drop at a Time

Bronze Medal - Earth & Environmental Sciences

Intermediate

Sponsor: Petro-Canada
Medal, \$300 cash & certificate

François-Guillaume Landry [14] – Chaleur NB
Plantes et ondes radio : une curieuse combinaison!

Laurissa Christie [14] – Bluewater ON
What's The Buzz?

Adrian Howie [15] – Halifax NS
Sink The CO2

Bronze Medal - Earth & Environmental Sciences

Senior

Sponsor: Petro-Canada
Medal, \$300 cash & certificate

Brittany Piercey [16] – Eastern Newfoundland NL
Wasting Away

Grace Wang [16] – South Fraser BC
"Sour Soil": the resiliency of nitrogen fixation capabilities of Rhizobia in a

Shannon Hughes [17] – Timmins ON
Out of Thin Air

Bronze Medal - Computing & Information Technology

Intermediate

Sponsor: Intel of Canada
Medal, \$300 cash & certificate

Adam Bennett [15] – Rideau-St. Lawrence ON
Ant Colony Optimization

Arash Marzi [14] – Strait NS
W.C.A.R. Wireless Controllable Autonomous Robots

Johnathan MacNeil [16] – Cape Breton NS
The Better Browser

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Canada-Wide Science Fair 2008

Ottawa, Ontario



Bronze Medal - Computing & Information Technology

Senior

Sponsor: Intel of Canada
Medal, \$300 cash & certificate

Anthony Brohan [17] – Montreal QC
Improving predictive text

Rami Sayar [17] – Montreal QC
AI game engine design

Casey Banner [18] – Pacific Northwest BC
Neural Networks: Image Recognition 2

Bronze Medal - Biotechnology & Pharmaceutical Sciences

Junior

Sponsor: Rx&D Health Research Foundation
Medal, \$300 cash & certificate

Madalyn Light [13], **Emma Walker** [13] – Central Okanagan BC
Likin' Lichen Protection

Bronze Medal - Biotechnology & Pharmaceutical Sciences

Intermediate

Sponsor: Rx&D Health Research Foundation
Medal, \$300 cash & certificate

Camille Salvat [15] – Montérégie QC
Biofilm

Taneille Johnson [15] – Northern British Columbia BC
Amplification of hTERT cDNA For Transient Transfection with Mammalian Cells

Sarah Dalziel [14] – West Kootenay & Boundary BC
The Woad to a Sustainable Blue Colourant, Phase Two

Bronze Medal - Biotechnology & Pharmaceutical Sciences

Senior

Sponsor: Rx&D Health Research Foundation
Medal, \$300 cash & certificate

Élisabeth Beauchamp-Chalifour [16], **Evelyne Brie** [16] – Québec et Chaudière-Appalaches QC
L'orage électrique au cerveau

Anne-Marie Pilote [18], **Sophie Tremblay** [18] – Saguenay-Lac Saint-Jean QC
La protéomique: second souffle!

Alice Yang [17] – Peterborough ON
The Spice of Life

Bronze Medal - Automotive

Junior

Sponsor: AUTO21
Medal, \$300 cash & certificate

Shane Stevenson [14] – Alberta Central East AB
Can You See The Light

Rami Saab [13] – Quinte ON
Fuel Cell Bonanza

Philippe Assaad [13] – Calgary Youth AB
Un Bras Robotique c'est Quoi?

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Ottawa, Ontario



Bronze Medal - Automotive

Intermediate

Sponsor: AUTO21

Medal, \$300 cash & certificate

Graham Mann [15] – South Shore NS

Some Like It Hot! Using Thermoelectrics to Recover Waste Heat from a Car Engine

Mackenzie Carter [16] – Waterloo-Wellington ON

The Coanda Conundrum

Philippa Gosine [15] – Eastern Newfoundland NL

InVision: An Intelligent System for Automated Image Analysis

Bronze Medal - Automotive

Senior

Sponsor: AUTO21

Medal, \$300 cash & certificate

Jean-Olivier Lambert [17] – Timmins ON

Opération Simulation

Honourable Mention - Physical & Mathematical Sciences

Junior

Sponsor: EnCana Corporation

\$100 cash & Certificate

Erik Olson [12] – Saskatoon SK

To Bernoulli or Not to Bernoulli? - that is the question...

Aaron Burton [13] – River Valley NB

Surface Tension

Mark Bezdek [14] – Calgary Youth AB

(W)hole Geometry

Honourable Mention - Physical & Mathematical Sciences

Intermediate

Sponsor: EnCana Corporation

\$100 cash & Certificate

Oliver Jourmel [13] – Vancouver Island BC

Breaking the Carbon Bond

Alicia MacDougall [14], **Akruti Patel** [14] – Lambton County ON

Wind Power

Honourable Mention - Physical & Mathematical Sciences

Senior

Sponsor: EnCana Corporation

\$100 cash & Certificate

Peter O'Rielly [17], **Hilary Walsh** [16] – Central Newfoundland NL

Shhhhhhhh-2: Sound Absorption

Angelo Posteraro [18] – Algoma Rotary ON

Electrical to Kinetic Energy Conversion Efficiency

Jason Ho [18], **Sarah Reimer** [17] – Fraser Valley BC

Equations of state of hexane at geophysical conditions of the upper mantle

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Ottawa, Ontario



Honourable Mention - Life Sciences

Junior

Sponsor: Pfizer Canada
\$100 cash & Certificate

Justin Halldorson [13] – Parkland SK
Germagnation?

Chloe Halpenny [12] – Algoma Rotary ON
Optical Illusions: Can you grow out of them?

Alexandria Slough [12] – Carlton Trail SK
The Survival of the Marigold

Honourable Mention - Life Sciences

Intermediate

Sponsor: Pfizer Canada
\$100 cash & Certificate

Sinead Anderson [16], **Hilary Angidlik** [15] – Kivalliq NU
Impact of Microwaves on Plant Growth

Emma Lowsky [14] – Toronto ON
Daphnia On Drugs

Honourable Mention - Life Sciences

Senior

Sponsor: Pfizer Canada
\$100 cash & Certificate

Jennifer Smith [16] – Central Alberta AB
Cloning Violets

Sarah Cheeseman [18] – Simcoe County ON
Microbes At War

Honourable Mention - Health Sciences

Junior

Sponsor: Canadian Institutes of Health Research
\$100 cash & Certificate

Alex Hobbs [13] – Niagara ON
Matter over Mind

Ariana Saatchi [13] – Greater Vancouver BC
Is PJ the Cure?

Claire Longcroft [12] – Greater Vancouver BC
Are You Well Heeled?

Rachel Irving-Beer [14] – Ottawa ON
Fibre on Fire: Fabrics & Fire Safety

Alfie Wolfenden [12] – Toronto ON
The Dilemma of Musical Allusions -uses and abuses of music

Honourable Mention - Health Sciences

Intermediate

Sponsor: Canadian Institutes of Health Research
\$100 cash & Certificate

Kendra Manz [14], **Kira Place** [14] – Edmonton AB
Generation XL

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Alyssa Moss [16] – Cape Breton NS
Seeing Science

Honourable Mention - Health Sciences

Senior

Sponsor: Canadian Institutes of Health Research
\$100 cash & Certificate

Radhika Chandra [17] – Montreal QC
Attacking cancer: the spicy way

Cherry Gao [18], **Linda Liu** [17] – Greater Vancouver BC
The Effects of Zizyphus jujuba var. spinosa Extract on Various Cancer Cell Lines

Kirsten Morry [17], **Annie Wen** [16] – Eastern Newfoundland NL
Power Ultrasonic Treatment for Atherosclerosis

Haley Robinson [18] – Northern Saskatchewan SK
Sanitary Sunshine: Put to the Test

Honourable Mention - Environmental Innovation

Junior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
\$100 cash & Certificate

Kais Khimji [12], **Eric Liu** [12] – Greater Vancouver BC
Come and Get Your Coffee While It's Hot!

Alex Yang [13] – Greater Vancouver BC
X-CoP 101 - "eXternal COntrolled Prosthesis"

Jacob Coy [13] – Frontenac, Lennox & Addington ON
Wind Swept

Colin Roos [13] – Timmins ON
Chloro-filter

Trenton Chard [13] – Fraser Valley BC
Catch The Heat

Josie Mielhausen [13] – Bluewater ON
Our World On Thin Ice

Safiya Nanji [13] – York ON
Are Plastic Water Bottles Endangering The Human Race?

Fatima Sunderji [13] – York ON
Sewers: The Untapped Renewable Energy Source

Honourable Mention - Environmental Innovation

Intermediate

Sponsor: EnviroExpo, Presented by VIA Rail Canada
\$100 cash & Certificate

Tim Rappon [16] – Northwestern Ontario ON
Kick the Carbon Crave: Convert CO₂ to Fuels

Laurissa Christie [14] – Bluewater ON
What's The Buzz?

Fiona Emdin [14] – Quinte ON
Priming and exogenous treatments for salt stress in Phaseolus vulgaris.

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Steven Zhu [16] – Greater Vancouver BC
Garlic Against Genotoxicity

Honourable Mention - Environmental Innovation

Senior

Sponsor: EnviroExpo, Presented by VIA Rail Canada
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Bhuvana Sankaranarayanan [16] – Calgary Youth AB
Let there be Light

Haley Robinson [18] – Northern Saskatchewan SK
Sanitary Sunshine: Put to the Test

Jessica Ngai [16] – Toronto ON
Drag or Not to Drag: A New VAWT Design

Ramy Botorous [17], **Joe Hanna** [16] – Ottawa ON
La Maison "verte"

Honourable Mention - Engineering

Junior

Sponsor: Youth Science Foundation Canada
\$100 cash & Certificate

Joey Charette [13] – Windsor ON
A Device for Testing the Flexibility of Lower Limb Orthoses

David Lister [13] – Yukon/Stikine YT
Electricity From Snow

Brian Larson [13] – Alberta Central East AB
Hot Dog Cool Solution

Jaye Mangione [12] – Ottawa ON
Tempest in a Tin Can

Kendall Carlson [13] – Peace Country AB
Mobility for the Disabled

Kelsey Mostertman [13] – Fraser Valley BC
Bye-Bye Birdies

Honourable Mention - Engineering

Intermediate

Sponsor: Youth Science Foundation Canada
\$100 cash & Certificate

Yaro Chebunin [16], **Kevin Venalainen** [16] – Greater Vancouver BC
Efficiency is the Key

Christina Noel [15] – Cariboo Mainline BC
Busting a Bridge: Only the Strongest Will Survive

Varun Sriram [14] – Calgary Youth AB
Aerodynamics of Swept Wings

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Honourable Mention - Engineering

Senior

Sponsor: Youth Science Foundation Canada
\$100 cash & Certificate

Janie Côté [16], Ariane Litalien [16] – Montréal QC
EnRayons la soif!

Mark Stothers [18] – Greater Vancouver BC
The Effects of Microbubble Volume on Ship Hull Drag Reduction

Pinky Langat [18], Chris Palmer [18] – Waterloo-Wellington ON
Bright Future of Energy: Dye-Sensitized Solar Cells

Jeff Graansma [17] – Waterloo-Wellington ON
The Pandemic Ventilator

Honourable Mention - Earth & Environmental Science

Junior

Sponsor: Petro-Canada
\$100 cash & Certificate

Brandon Courchene [14], Cody Courchene [15] – Manitoba First Nations MB
The Effect of Automation on Wild Rice Harvest

Zach Elgood [14] – Waterloo-Wellington ON
How Much N₂O is in Your H₂O?

Jory Smalenberg [13] – Fraser Valley BC
Do you know what you're drinking?

Mahyar Akhtarkhvari [13], Lance Dolman [14] – Saskatoon SK
Renewable Energy

Eric Dyer [14] – Bay Area ON
Trip the Light Fantastic

Timmy Carlielle-Shaw [13] – Central Alberta AB
Tropical Alberta: Microvertebrate Paleontology

Honourable Mention - Earth & Environmental Science

Intermediate

Sponsor: Petro-Canada
\$100 cash & Certificate

Patricia Berezowski [15], Marika Cameron [16] – Regina SK
The Effect of Scarification and Acid Bathing?

Alanna Howell [15] – Saskatchewan Chinook SK
Biodiesel's New Dry-Clean

Kimberly Gulevich [15] – Northern British Columbia BC
Heat Up the Hydrocarbons

Amber MacLean-Hawes [16], Rebecca O'Connell [15] – Chignecto Central West NS
Lingering Herbicides

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Honourable Mention - Earth & Environmental Science

Senior

Sponsor: Petro-Canada
\$100 cash & Certificate

Catherine Couture [17], Cynthia Lamarre [17] – Est du Québec QC
Branchées sur l'effet de serre

Muhammad Aadil Waja [17] – North Bay ON
Remediation Sensation

Nancy Martinez [17] – Windsor ON
*The Effects of Heavy Metals on *Devesia tigrina**

Honourable Mention - Biotechnology & Pharmaceutical Sciences

Intermediate

Sponsor: Rx&D Health Research Foundation
\$100 cash & Certificate

Brenna Schilds [15] – Northern British Columbia BC
The Curing Clove!

Tony Kwon [15] – London District ON
*Altering the Gene Expression of *Streptococcus Pyogenes* Using a Natural Product*

Honourable Mention - Biotechnology & Pharmaceutical Sciences

Senior

Sponsor: Rx&D Health Research Foundation
\$100 cash & Certificate

Ariel Charney [16] – Montreal QC
The stem cell race

Danny Chao [17] – Edmonton AB
Signalling Pathways Leading to Differential Neutrophil Degranulation

Honourable Mention - Automotive

Junior

Sponsor: AUTO21
\$100 cash & Certificate

Rosalynd Cook [13] – Northern British Columbia BC
Slow Down and Save with Ethanol

Honourable Mention - Automotive

Intermediate

Sponsor: AUTO21
\$100 cash & Certificate

Jordan Wentzell [13] – Northwestern Ontario ON
Hydrogen Storage Using Steel Wool

Yaro Chebunin [16], Kevin Venalainen [16] – Greater Vancouver BC
Efficiency is the Key

Christopher Nielsen [14] – Calgary Youth AB
Generating NURBS Surfaces through 3D Silhouette Scanning

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



The University of Western Ontario Scholarship

Bronze Medallist - \$1000 Entrance Scholarship

Sponsor: University of Western Ontario

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Marjorie Dessureault [18] – Mauricie, Centre-du-Québec QC

La chasse aux étoiles

John Coccimiglio [17], **Mario Nucci** [17] – Northwestern Ontario ON

The Winds of Change: The Superior by Nature Energy Plan

Naomi Victoria Fredeen [17] – Central Okanagan BC

Fourier Analysis on Violin Tone

Guillaume Laliberté [15] – Estrie QC

Le plasma: bien plus qu'un état

Virginia Georgallas [16] – Strait NS

All Packed Up: A Study in Random Close Packing

Jennifer Standen [16] – Simcoe County ON

A Greener Road

Florent Herbinger [14] – Halifax NS

Tracking the sun

Kais Khimji [12], **Eric Liu** [12] – Greater Vancouver BC

Come and Get Your Coffee While It's Hot!

Zach Poole [12] – Chinook Country AB

Stocks: Predicting When To Sell

Bhuvana Sankaranarayanan [16] – Calgary Youth AB

Let there be Light

Sarah Langer [16] – Peterborough ON

Human Decomposition

Ronan Lefol [16] – Fransaskoise SK

Les graines de la Saskatchewan: un apport assuré en sélénium

Supritha Nilam [15] – Niagara ON

Do Anti-Oxidants Boost a Plant's Dynamics

Kyle Schole [14] – Edmonton AB

More to Light than Meets the Eye Phase II

Uliana Maria Kovaltchouk [15] – Winnipeg Schools MB

*Cell Cycle Control of Transformation in *Saccharomyces Cerevisiae**

Caroline Kovesi [14] – Ottawa ON

Musical Diaphragms?

Ashley Nicole Anderson [12] – Central Interior British Columbia BC

Predicting Penalty Minutes

Nicholas Carverhill [13] – Fransaskoise SK

Les champignons et les antioxydants

Woohyuk Jang [20] – York ON

The Effects of Humanoid Avatar Gaze on Chat Communication in Virtual Worlds

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Zamir Merali [16], Ryan Willick [16] – North Bay ON

Go With the Flow

Prashanthi Baskaran [17] – Ottawa ON

Detecting Atherosclerosis - Cytokine Profiling of Peritoneal Macrophages Exposed

Courtney Bachman [16], Bryna Jaendl [15] – Northwest Saskatchewan SK

Perceptual Blindness

Marie-Eve Arpin [15] – Montérégie QC

À cheval vers la guérison!

Claire Edgcumbe [16] – Greater Vancouver BC

Ceasing Seizures

Clarissa Fortin [13] – Bluewater ON

Drop Dead Gorgeous

Sarah Mack [14] – South Shore NS

The Fat In Your Fries

Sarah Pritchard [13] – Northern Manitoba MB

What's the Point?

Darren Rodenhizer [18] – South Shore NS

Clean Energy from Scrap Tire Combustion

Jessica Ngai [16] – Toronto ON

Drag or Not to Drag: A New VAWT Design

Nishant Balakrishnan [18] – Manitoba Schools Science Symposium MB

...And Then There Were None: A Tale of a Land Mine Sweeper

Sébastien Chénier [16] – Outaouais QC

Un moteur écologique

Graham Mann [15] – South Shore NS

Some Like It Hot! Using Thermoelectrics to Recover Waste Heat from a Car Engine

Mackenzie Carter [16] – Waterloo-Wellington ON

The Coanda Conundrum

Glendon Hass [15] – Chinook Country AB

Hydrogen Fuel Cell: Effect of Altitude on Energy Output

Shane Stevenson [14] – Alberta Central East AB

Can You See The Light

Devon Sawatzky [14] – Manitoba Schools Science Symposium MB

Sense What You Can't Hear

Jonas Ordman [12] – Calgary Youth AB

Cast Innovation: Reducing the Risk

Rami Saab [13] – Quinte ON

Fuel Cell Bonanza

Simon Trivett [13] – Prince Edward Island PE

Ocean Power

Philippe Assaad [13] – Calgary Youth AB

Un Bras Robotique c'est Quoi?

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Brittany Piercey [16] – Eastern Newfoundland NL

Wasting Away

Grace Wang [16] – South Fraser BC

"Sour Soil": the resiliency of nitrogen fixation capabilities of Rhizobia in a

Shannon Hughes [17] – Timmins ON

Out of Thin Air

François-Guillaume Landry [14] – Chaleur NB

Plantes et ondes radio : une curieuse combinaison!

Laurissa Christie [14] – Bluewater ON

What's The Buzz?

Adrian Howie [15] – Halifax NS

Sink The CO2

Stephanie Gaglione [13] – York ON

The Effects of Nitrogen and Phosphorus Fertilizers on the Bioremediation of Oil

Jasmyn Cunningham [13] – Frontenac, Lennox & Addington ON

Affected or Not Affected - That is the Question

Reuben Gurupatham [13] – Peel ON

Jatropha Oil - Saving the Environment, One Drop at a Time

Anthony Brohan [17] – Montreal QC

Improving predictive text

Jean-Olivier Lambert [17] – Timmins ON

Opération Simulation

Rami Sayar [17] – Montreal QC

AI game engine design

Casey Banner [18] – Pacific Northwest BC

Neural Networks: Image Recognition 2

Adam Bennett [15] – Rideau-St. Lawrence ON

Ant Colony Optimization

Arash Marzi [14] – Strait NS

W.C.A.R. Wireless Controllable Autonomous Robots

Philippa Gosine [15] – Eastern Newfoundland NL

InVision: An Intelligent System for Automated Image Analysis

Johnathan MacNeil [16] – Cape Breton NS

The Better Browser

Élisabeth Beauchamp-Chalifour [16], **Evelyne Brie** [16] – Québec et Chaudière-Appalaches QC

L'orage électrique au cerveau

Anne-Marie Pilote [18], **Sophie Tremblay** [18] – Saguenay-Lac Saint-Jean QC

La protéomique: second souffle!

Alice Yang [17] – Peterborough ON

The Spice of Life

Camille Salvas [15] – Montérégie QC

Biofilm

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Taneille Johnson [15] – Northern British Columbia BC
Amplification of hTERT cDNA For Transient Transfection with Mammalian Cells

Sarah Dalziel [14] – West Kootenay & Boundary BC
The Woad to a Sustainable Blue Colourant, Phase Two

Madalyn Light [13], **Emma Walker** [13] – Central Okanagan BC
Likin' Lichen Protection

The University of Western Ontario Scholarship

Gold Medallist - \$2000 Entrance Scholarship

Sponsor: University of Western Ontario

An Entrance Scholarship of \$2000 is offered to each winner of a Gold Medal. An Entrance Scholarship of \$1500 is offered to each winner of a Silver Medal. An Entrance Scholarship of \$1000 is offered to each winner of a Bronze Medal.

Alice Jourmel [16] – Vancouver Island BC
Dynamic Testing of Strength and Vibration Properties of Hardwoods

Jordan Wentzell [13] – Northwestern Ontario ON
Hydrogen Storage Using Steel Wool

Scott Cameron [13], **Alan Stagg** [14] – Bay Area ON
Pykrete: the new concrete?

Aaron Hakim [16] – Bay Area ON
Microarray Profiling of Gene Expression in the Normal Aging Brain of Drosophila

Nicholas Randall [15] – Central Okanagan BC
Fungi MB

Rachel Brown [14], **Katie Van der Sloot** [13] – Kiwanis Southeast Alberta AB
Plastic-Safe or Not?

Éveline Arpin [17], **Élizabeth Cyr Marcotte** [16] – Montérégie QC
Quand la santé part en fumée!

Ian Cholmondeley [14], **Jesse Purvis** [14] – Frontenac, Lennox & Addington ON
Wii Will Rock You

Adelina Corina Cozma [12] – York ON
Learning Styles and Strengths of 7th Graders

David Castelino [18] – Peel ON
Photonic Boom

Nirusan Jayaranjan [15] – Manitoba Schools Science Symposium MB
Voice Activated Navigation for the Blind

Christopher Chopcian [13] – Lambton County ON
Control Innovations for Quadriplegics

Robert Buchkowski [18] – Peterborough ON
The Leaching of Bisphenol-A from Polycarbonate Bottles

Megan Schlorff [15] – Bluewater ON
Let the River Flow

Victoria-Marie Cusson [14] – Ottawa ON
La valorisation écologique des déchets ménagers en biogaz

Evan Woo [18], **Tony Xiao** [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Jean-Olivier Lambert [17] – Timmins ON
Opération Simulation

Christopher Nielsen [14] – Calgary Youth AB
Generating NURBS Surfaces through 3D Silhouette Scanning

James Harris [14] – Chignecto East NS
How Has English Vocabulary Changed Over Time?

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

Steven Zhu [16] – Greater Vancouver BC
Garlic Against Genotoxicity

Brent Murphy [13] – Manitoba Schools Science Symposium MB
Garlic's Potential as a Biological Seed Treatment

The University of Western Ontario Scholarship

Silver Medallist - \$1500 Entrance Scholarship

Sponsor: University of Western Ontario

An Entrance Scholarship of \$2000 is offered to each winner of a Gold Medal. An Entrance Scholarship of \$1500 is offered to each winner of a Silver Medal. An Entrance Scholarship of \$1000 is offered to each winner of a Bronze Medal.

Benoit Landry [17], **Alexandre Turbide** [17] – Rive-Nord QC
OSUM

Stéphanie Brisson [17] – Québec et Chaudière-Appalaches QC
Origine: inconnue

Tim Rappon [16] – Northwestern Ontario ON
Kick the Carbon Crave: Convert CO₂ to Fuels

Kienan Marion [16] – Calgary Youth AB
Gravity: Through the Looking Glass

Adam Parsons [14] – Eastern Newfoundland NL
Which Golf Ball to Use: A Study of Bounce Height and Drive Distance

Maxwell Grimshaw Poole [12] – Tri-County NS
Does The Angle Of Your Ankle Affect The Propulsion of Your Flutter Kick?

Justine Tarini [17] – Sudbury ON
Plant Coma: A New Tool For Forensic Scientists

Ashley Millette [16] – Quinte ON
*Ocular pigmentation and longevity in *Drosophila melanogaster*.*

Graham Batty [15] – Victoria County ON
Left? or Right? - Lateral Dominance in Cats

Jessica Wang [15] – Saskatoon SK
Taste the Rainbow

Abby Herrington [13] – Fundy NB
The Power of Polymer

Rebecca Sandrelli [13] – Renfrew County ON
Bugs on Drugs

Victor Li [16] – Manitoba Schools Science Symposium MB
Hypericin Phototoxicity: A Novel Strategy for Cancer Treatment

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



-
- Joseph McNeil** [17] – Strait NS
Camellia Sinensis as an Aid in Regenerative Nerve Therapy
-
- Kim Pawliw** [15] – Estrie QC
Docteur Bob l'Éponge
-
- Adam Mertens** [15] – South Shore NS
Ocular Trauma
-
- Matt Kirby** [14] – Waterloo-Wellington ON
Effect of Glucocorticoids on Nicotine Metabolism
-
- Danielle Shwed** [12] – Simcoe County ON
Eye Spy: Variables That Affect Peripheral Vision
-
- David Gagnon** [17] – Outaouais QC
Revêtement nature
-
- Matthew Thiffault** [18] – Niagara ON
Weather Observation UAV
-
- Ai Quoc Bui** [18] – Windsor ON
Dying For A Sleep
-
- Sébastien Chénier** [16] – Outaouais QC
Un moteur écologique
-
- Gary Kurek** [16] – Edmonton AB
The Rollator Wheelchair Hybrid 2: Attaching The Freedom Of Independent Mobility
-
- Graham Mann** [15] – South Shore NS
Some Like It Hot! Using Thermoelectrics to Recover Waste Heat from a Car Engine
-
- Glendon Hass** [15] – Chinook Country AB
Hydrogen Fuel Cell: Effect of Altitude on Energy Output
-
- Jenna Schlorff** [12] – Bluewater ON
Think Fast!
-
- Alex Yang** [13] – Greater Vancouver BC
X-CoP 101 - "eXternal COntrolled Prosthesis"
-
- Jonathan Riverin** [16], **Laurence Tremblay** [16] – Saguenay-Lac Saint-Jean QC
Appuyez sur le champignon!
-
- Andrew Foody** [16] – Ottawa ON
The Missing Piece of Global Warming
-
- Shannon Hughes** [17] – Timmins ON
Out of Thin Air
-
- Elise Tessier** [16] – Conseil scolaire acadien provincial (CSAP) NS
Le compost améliore la santé des pommiers et réduit l'infestation des acarie
-
- Fiona Emdin** [14] – Quinte ON
Priming and exogenous treatments for salt stress in Phaseolus vulgaris.
-
- Stéphane Aubin** [12], **Michael Najm** [12] – Ottawa ON
Papier recyclé : la nouvelle génération
-
- Natalia Chadee** [14] – Peel ON
Green Plastics: Saving Our Environment One Bag at a Time

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Reuben Gurupatham [13] – Peel ON

Jatropha Oil - Saving the Environment, One Drop at a Time

Stephen Portillo [16] – Edmonton AB

On the Right Path

Evan Woo [18], **Tony Xiao** [19] – Greater Vancouver BC

Your life or your car? AirCrumble lets you have both.

Philippa Gosine [15] – Eastern Newfoundland NL

InVision: An Intelligent System for Automated Image Analysis

Kent Williams-King [14] – Calgary Youth AB

Developing FiftyTwo

Abigail McLagan [12] – Rideau-St. Lawrence ON

The Ants Go Marching...

Collin Fair [13] – Central Alberta AB

DropBox

Yang Li [18], **Wei-Wei Zhang** [17] – Calgary Youth AB

Alzheimer's Disease: PARs to the Rescue

Linda Kim [17] – Niagara ON

Antibacterial Activity of Canadian Honeys: Isolation of Active Constituents Usin

Stephanie Gallant [14] – Eastern Newfoundland NL

Larch Tea: An Antibacterial Solution?

Courtney Halldorson [14] – Parkland SK

Change is a Must(ard)!

Brandon Doyle [14] – Prince Edward Island PE

Spice up Your Life

Tatjana Medakovic [14], **Wardah Nasir** [14] – Bay Area ON

Quit Buggin'

University of Ottawa Entrance Scholarship

Senior Bronze Medallist - \$1000 Entrance Scholarship

Sponsor: University of Ottawa

A University of Ottawa scholarship of \$20,000 (\$5,000 each year for 4 years) is offered to each gold medal winning senior finalist. A University of Ottawa scholarship of \$3,000 (non-renewable) is offered to each silver medal winning senior finalist. A University of Ottawa scholarship of \$1,000 (non-renewable) is offered to each bronze medal winning senior finalist.

Marjorie Dessureault [18] – Mauricie, Centre-du-Québec QC

La chasse aux étoiles

John Coccimiglio [17], **Mario Nucci** [17] – Northwestern Ontario ON

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Naomi Victoria Fredeen [17] – Central Okanagan BC

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Let there be Light

Sarah Langer [16] – Peterborough ON

Human Decomposition

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



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Anne-Marie Pilote [18], **Sophie Tremblay** [18] – Saguenay-Lac Saint-Jean QC

La protéomique: second souffle!

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The Spice of Life

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



University of Ottawa Entrance Scholarship

Senior Gold Medallist - \$20,000 Entrance Scholarship (\$5,000 each year for 4 years)

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Jean-Olivier Lambert [17] – Timmins ON
Opération Simulation

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

University of Ottawa Entrance Scholarship

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Yang Li [18], **Wei-Wei Zhang** [17] – Calgary Youth AB
Alzheimer's Disease: PARs to the Rescue

Linda Kim [17] – Niagara ON
Antibacterial Activity of Canadian Honeys: Isolation of Active Constituents Usin

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

UBC Science (Vancouver) Entrance Award

Senior Gold Medallist - \$4000 Entrance Scholarship

Sponsor: The University of British Columbia (Vancouver)

A UBC entrance scholarship of \$4,000 is offered to each gold medal winning senior finalist in the following seven divisions: Biotechnology, Computing & Information Technology, Earth & Environmental Sciences, Environmental Innovation, Health Sciences, Life Sciences, and Physical & Mathematical Sciences. A \$2,000 UBC entrance scholarship is offered to each silver medal winning senior finalist in the same seven divisions.

Alice Jourmel [16] – Vancouver Island BC
Dynamic Testing of Strength and Vibration Properties of Hardwoods

Aaron Hakim [16] – Bay Area ON
Microarray Profiling of Gene Expression in the Normal Aging Brain of Drosophila

Éveline Arpin [17], **Élizabeth Cyr Marcotte** [16] – Montérégie QC
Quand la santé part en fumée!

Robert Buchkowski [18] – Peterborough ON
The Leaching of Bisphenol-A from Polycarbonate Bottles

Jean-Olivier Lambert [17] – Timmins ON
Opération Simulation

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



UBC Science (Vancouver) Entrance Award

Senior Silver Medallist - \$2000 Entrance Scholarship

Sponsor: The University of British Columbia (Vancouver)

A UBC entrance scholarship of \$4,000 is offered to each gold medal winning senior finalist in the following seven divisions: Biotechnology, Computing & Information Technology, Earth & Environmental Sciences, Environmental Innovation, Health Sciences, Life Sciences, and Physical & Mathematical Sciences. A \$2,000 UBC entrance scholarship is offered to each silver medal winning senior finalist in the same seven divisions.

Benoit Landry [17], **Alexandre Turbide** [17] – Rive-Nord QC
OSUM

Stéphanie Brisson [17] – Québec et Chaudière-Appalaches QC
Origine: inconnue

Justine Tarini [17] – Sudbury ON
Plant Coma: A New Tool For Forensic Scientists

Ashley Millette [16] – Quinte ON
*Ocular pigmentation and longevity in *Drosophila melanogaster*.*

Victor Li [16] – Manitoba Schools Science Symposium MB
Hypericin Phototoxicity: A Novel Strategy for Cancer Treatment

Joseph McNeil [17] – Strait NS
Camellia Sinensis as an Aid in Regenerative Nerve Therapy

Jonathan Riverin [16], **Laurence Tremblay** [16] – Saguenay-Lac Saint-Jean QC
Appuyez sur le champignon!

Andrew Foody [16] – Ottawa ON
The Missing Piece of Global Warming

Stephen Portillo [16] – Edmonton AB
On the Right Path

Evan Woo [18], **Tony Xiao** [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Yang Li [18], **Wei-Wei Zhang** [17] – Calgary Youth AB
Alzheimer's Disease: PARs to the Rescue

Linda Kim [17] – Niagara ON
Antibacterial Activity of Canadian Honeys: Isolation of Active Constituents Usin

NSERC Undergraduate Student Research Award

Senior Gold Medallist

Sponsor: Natural Sciences and Engineering Research Council of Canada (NSERC)

Each gold medal winning senior finalist will be eligible for automatic approval of an NSERC Undergraduate Student Research Award (USRA) following completion of all course requirements of at least the first year (or two academic terms) toward a bachelor's degree at an eligible Canadian university. The award provides for a full-time (16-week) research and development internship in the natural sciences or engineering under the supervision of a faculty member who holds an active NSERC research grant. The award has a base value of \$4500, but the host university is required to supplement the award by at least 25 percent. Award recipients will be offered the opportunity to present a poster at an appropriate research conference or other event sponsored by NSERC.

Alice Jourmel [16] – Vancouver Island BC
Dynamic Testing of Strength and Vibration Properties of Hardwoods

Aaron Hakim [16] – Bay Area ON
*Microarray Profiling of Gene Expression in the Normal Aging Brain of *Drosophila**

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Éveline Arpin [17], Élizab  th Cyr Marcotte [16] – Mont  r  gie QC
Quand la sant   part en fum  e!

Darren Rodenhizer [18] – South Shore NS
Clean Energy from Scrap Tire Combustion

David Castelino [18] – Peel ON
Photonic Boom

Robert Buchkowski [18] – Peterborough ON
The Leaching of Bisphenol-A from Polycarbonate Bottles

Evan Woo [18], Tony Xiao [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Jean-Olivier Lambert [17] – Timmins ON
Op  ration Simulation

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

Dalhousie University Faculty of Science Entrance Scholarship

Senior Gold Medallist - \$4000 Entrance Scholarship

Sponsor: Dalhousie University

A Dalhousie University Faculty of Science entrance scholarship of \$4,000 is offered to each gold medal winning senior finalist. A Dalhousie University Faculty of Science entrance scholarship of \$2,000 is offered to each silver medal winning senior finalist.

Alice Jourmel [16] – Vancouver Island BC
Dynamic Testing of Strength and Vibration Properties of Hardwoods

Aaron Hakim [16] – Bay Area ON
Microarray Profiling of Gene Expression in the Normal Aging Brain of Drosophila

  veline Arpin [17],   lizab  th Cyr Marcotte [16] – Mont  r  gie QC
Quand la sant   part en fum  e!

David Castelino [18] – Peel ON
Photonic Boom

Robert Buchkowski [18] – Peterborough ON
The Leaching of Bisphenol-A from Polycarbonate Bottles

Evan Woo [18], Tony Xiao [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Jean-Olivier Lambert [17] – Timmins ON
Op  ration Simulation

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

Dalhousie University Faculty of Science Entrance Scholarship

Senior Silver Medallist - \$2000 Entrance Scholarship

Sponsor: Dalhousie University

A Dalhousie University Faculty of Science entrance scholarship of \$4,000 is offered to each gold medal winning senior finalist. A Dalhousie University Faculty of Science entrance scholarship of \$2,000 is offered to each silver medal winning senior finalist.

Benoit Landry [17], Alexandre Turbide [17] – Rive-Nord QC
OSUM

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Stéphanie Brisson [17] – Québec et Chaudière-Appalaches QC
Origine: inconnue

Justine Tarini [17] – Sudbury ON
Plant Coma: A New Tool For Forensic Scientists

Ashley Millette [16] – Quinte ON
*Ocular pigmentation and longevity in *Drosophila melanogaster*.*

Victor Li [16] – Manitoba Schools Science Symposium MB
Hypericin Phototoxicity: A Novel Strategy for Cancer Treatment

Joseph McNeil [17] – Strait NS
Camellia Sinensis as an Aid in Regenerative Nerve Therapy

David Gagnon [17] – Outaouais QC
Revêtement nature

Matthew Thiffault [18] – Niagara ON
Weather Observation UAV

Ai Quoc Bui [18] – Windsor ON
Dying For A Sleep

Jonathan Riverin [16], **Laurence Tremblay** [16] – Saguenay-Lac Saint-Jean QC
Appuyez sur le champignon!

Andrew Foody [16] – Ottawa ON
The Missing Piece of Global Warming

Shannon Hughes [17] – Timmins ON
Out of Thin Air

Stephen Portillo [16] – Edmonton AB
On the Right Path

Evan Woo [18], **Tony Xiao** [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Yang Li [18], **Wei-Wei Zhang** [17] – Calgary Youth AB
Alzheimer's Disease: PARs to the Rescue

Linda Kim [17] – Niagara ON
Antibacterial Activity of Canadian Honeys: Isolation of Active Constituents Usin

Gold Medal - International

Sponsor: Youth Science Foundation Canada
Medal and a certificate

Kai-Chung Hsiao [17], **Yu-Sheng Hsieh** [17] – Taiwan, R.O.C.
Feasibility Evaluation on Various Organic Acids Applied in Fuel Cells

Silver Medal - International

Sponsor: Youth Science Foundation Canada
Medal and a certificate

Edwin Fernando [19], **Ada Soto** [18] – Mexico
The Coriolis Effect and its Implications

Andrés Mendoza [] – Mexico
The Coriolis Effect and its Implications

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Petro-Canada Peer Innovation Award - Senior

Atlantic

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Nicole Palmer [18] – Annapolis Valley NS
Subway Productivity Time Study

Petro-Canada Peer Innovation Award - Senior

Québec

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Benoit Landry [17], **Alexandre Turbide** [17] – Rive-Nord QC
OSUM

Petro-Canada Peer Innovation Award - Senior

Ontario North & East

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Sarah Langer [16] – Peterborough ON
Human Decomposition

Petro-Canada Peer Innovation Award - Senior

Ontario South

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Yongjun Wang [18] – Toronto ON
Viral Load Testing under Influence of HIV HAART Treatment

Petro-Canada Peer Innovation Award - Senior

Central Canada

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Becky Earley [17], **Holly Hunter** [17] – St. James-Assiniboia MB
Treatment of Chronic Lymphocytic Leukemia with LPATH

Petro-Canada Peer Innovation Award - Senior

Western Canada

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Evan Woo [18], **Tony Xiao** [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Petro-Canada Peer Innovation Award - Intermediate

Atlantic

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Alissa Ali [16] – Chignecto East NS
Gear Up For the Environment

Petro-Canada Peer Innovation Award - Intermediate

Québec

Sponsor: Petro-Canada
\$200 cash & certificate per geographic zone

Guillaume Laliberté [15] – Estrie QC
Le plasma: bien plus qu'un état

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Petro-Canada Peer Innovation Award - Intermediate

Ontario North & East

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Adam Bennett [15] – Rideau-St. Lawrence ON

Ant Colony Optimization

Petro-Canada Peer Innovation Award - Intermediate

Ontario South

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Ghufran Siddiqui [15] – Lambton County ON

Biofixation of CO₂ Using Coccolithophorid Algae

Petro-Canada Peer Innovation Award - Intermediate

Central Canada

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Nirusan Jayaranjan [15] – Manitoba Schools Science Symposium MB

Voice Activated Navigation for the Blind

Petro-Canada Peer Innovation Award - Intermediate

Western Canada

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Gary Kurek [16] – Edmonton AB

The Rollator Wheelchair Hybrid 2: Attaching The Freedom Of Independent Mobility

Petro-Canada Peer Innovation Award - Junior

Atlantic

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Mitchell Furlotte [13] – Chaleur NB

R U Full of Hot Air

Petro-Canada Peer Innovation Award - Junior

Québec

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Marie-Eve Larouche [13] – Saguenay-Lac Saint-Jean QC

Magiques ou toxiques?

Petro-Canada Peer Innovation Award - Junior

Ontario North & East

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Rebecca Sandrelli [13] – Renfrew County ON

Bugs on Drugs

Petro-Canada Peer Innovation Award - Junior

Ontario South

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Jenna Schlorff [12] – Bluewater ON

Think Fast!

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Petro-Canada Peer Innovation Award - Junior

Central Canada

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Mahyar Akhtarkhavari [13], Lance Dolman [14] – Saskatoon SK

Renewable Energy

Petro-Canada Peer Innovation Award - Junior

Western Canada

Sponsor: Petro-Canada

\$200 cash & certificate per geographic zone

Rosalynd Cook [13] – Northern British Columbia BC

Slow Down and Save with Ethanol

Workshop on Parallel Computing in Astrophysics Award

Sponsor: Canadian Institute for Theoretical Astrophysics and the University of Toronto Department of Astronomy and

The award consists of an all-expense paid trip (including travel, accommodation and meals) to participate in the Workshop on Parallel Computing in Astrophysics from July 21-25, 2008 in Toronto, Ontario. The winner will be invited to present his/her project to all attendees during the workshop. Total value \$1500.

Stephen Portillo [16] – Edmonton AB

On the Right Path

University of Ottawa Undergraduate Research Scholarship Award

Sponsor: University of Ottawa

The recipient will work with scientists and take part in important scientific discoveries during two consecutive summers. In the summer preceding the first year of studies in an undergraduate program at the Faculty of Science, University of Ottawa, the recipient will earn \$3,750 as a research assistant to one of the world-class professors. If the recipient is successful in his/her first year of studies, the research experience will be extended to a second summer during which he/she will earn \$6,250.

Benoit Landry [17], Alexandre Turbide [17] – Rive-Nord QC

OSUM

Statistical Society of Canada Award

Sponsor: Statistical Society of Canada

\$1000 cash & certificate

Woohyuk Jang [20] – York ON

The Effects of Humanoid Avatar Gaze on Chat Communication in Virtual Worlds

Renewable Energy Award

Senior

Sponsor: Ontario Power Generation

\$1000 cash & certificate

Jessica Ngai [16] – Toronto ON

Drag or Not to Drag: A New VAWT Design

Renewable Energy Award

Intermediate

Sponsor: Ontario Power Generation

\$750 cash & certificate

Tim Rappon [16] – Northwestern Ontario ON

Kick the Carbon Crave: Convert CO2 to Fuels

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Renewable Energy Award

Junior

Sponsor: Ontario Power Generation
\$500 cash & certificate

David Lister [13] – Yukon/Stikine YT
Electricity From Snow

Quality of Life Student Research Award

Sponsor: Institute of Musculoskeletal Health and Arthritis of the CIHR

The award consists of two Quality of Life Studentships to work with investigators involved in musculoskeletal research, each including a stipend of \$3750. Each recipient will be assigned to a mentor/supervisor currently working in MSK research (any of IMHA's six foci/three themes) at a Canadian university or research institute that qualifies for CIHR funding. To the extent that mentors are available, IMHA will endeavour to match award winners and mentors geographically. The award winner will be responsible for arranging his/her own food, accommodations, and personal expenses if travel is required to the location of the mentor. IMHA will help to defray travel expenses (up to \$1000) for selected students geographically distant from the matched mentor.

Aaron Hakim [16] – Bay Area ON
Microarray Profiling of Gene Expression in the Normal Aging Brain of Drosophila

Prashanthi Baskaran [17] – Ottawa ON
Detecting Atherosclerosis - Cytokine Profiling of Peritoneal Macrophages Exposed

The Manning Innovation Achievement Award

Sponsor: Ernest C. Manning Awards Foundation

Eight projects will each receive a \$500 cash award. Four of these Manning Innovation Achievement Award winners will also be announced as winners of \$4000 Manning Young Canadian Innovation Awards (to be presented at a later date).

Zamir Merali [16], **Ryan Willick** [16] – North Bay ON
Go With the Flow

David Castelino [18] – Peel ON
Photonic Boom

Ai Quoc Bui [18] – Windsor ON
Dying For A Sleep

Anthony Brohan [17] – Montreal QC
Improving predictive text

Evan Woo [18], **Tony Xiao** [19] – Greater Vancouver BC
Your life or your car? AirCrumble lets you have both.

Jean-Olivier Lambert [17] – Timmins ON
Opération Simulation

Rebecca Wolfe [17] – Prince Edward Island PE
*Identifying *Ciona intestinalis* Via COX1 Primers*

Daniel Burd [16] – Waterloo-Wellington ON
Plastic Not Fantastic

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



The Manning Innovation Achievement Award

and \$4000 Manning Young Canadian Innovation Award

Sponsor: Ernest C. Manning Awards Foundation

Eight projects will each receive a \$500 cash award. Four of these Manning Innovation Achievement Award winners will also be announced as winners of \$4000 Manning Young Canadian Innovation Awards (to be presented at a later date).

Zamir Merali [16], **Ryan Willick** [16] – North Bay ON

Go With the Flow

Ai Quoc Bui [18] – Windsor ON

Dying For A Sleep

Anthony Brohan [17] – Montreal QC

Improving predictive text

Rebecca Wolfe [17] – Prince Edward Island PE

*Identifying *Ciona intestinalis* Via COX1 Primers*

International Summer School for Young Physicists Award

Sponsor: Perimeter Institute for Theoretical Physics

The award consists of a full scholarship to participate in the International Summer School for Young Physicists 2008 (Y-Phys 2008), an intensive two-week enrichment program that will introduce students to the fascinating picture of our universe as seen through the eyes of contemporary physicists: from the bizarre quantum world of atoms and subatomic particles to black holes, warped spacetime and the expanding universe. Students will also interact with professional physicists at Perimeter Institute in small-group mentoring sessions, participate in field trips to interesting science-related destinations in the region and forge new friendships with like-minded young people from around the world. Y-Phys 2008 will run from July 22 to August 3 or August 8 to 20 at Perimeter Institute for Theoretical Physics in Waterloo, Ontario, Canada's premier centre for research in foundational theoretical physics. The scholarship includes room and board and travel expenses to and from the Institute. Total value \$2500.

Bhuvana Sankaranarayanan [16] – Calgary Youth AB

Let there be Light

Engineers Without Borders - Canada Award

Sponsor: Engineers Without Borders - Canada

One all-expense-paid trip (including travel, accommodation, meals, and incidental costs) to participate in the annual Engineers Without Borders - Canada National Conference, usually in January. Total value \$1500.

Jeff Graansma [17] – Waterloo-Wellington ON

The Pandemic Ventilator

Dr. Michael Smith Innovation Award

Intermediate

Sponsor: Canada Foundation for Innovation

\$750 cash & certificate

François-Guillaume Landry [14] – Chaleur NB

Plantes et ondes radio : une curieuse combinaison!

Dr. Michael Smith Innovation Award

Junior

Sponsor: Canada Foundation for Innovation

\$500 cash & certificate

Mark Bezdek [14] – Calgary Youth AB

(W)hole Geometry

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



YSF·FSJ
CANADA

Canadian Stockholm Junior Water Prize

Sponsor: Canadian Water Environment Associations (ACWWA, BCWWA, WEAO, Réseau Environnement, WCWEA)
One all-expense-paid trip to Stockholm, Sweden, August 17-23, 2008, for one student to represent Canada at the International Stockholm Junior Water Prize Competition. Up to three projects selected at the CWSF will be invited to submit an essay summary of their projects. One winner will then be chosen to represent Canada at the Stockholm Junior Water Prize Competition. The two-runners-up will each receive a \$300 cash prize.

Haley Robinson [18] – Northern Saskatchewan SK

Sanitary Sunshine: Put to the Test

Janie Côté [16], **Ariane Litalien** [16] – Montérégie QC

EnRayons la soif!

Muhammad Aadil Waja [17] – North Bay ON

Remediation Sensation

The Canadian Society for the Weizmann Institute of Science Scholarships

Joseph W. and Joel Anthony Leon Kerbel Scholarship

Sponsor: The Canadian Society for the Weizmann Institute of Science (Weizmann Science Canada)
Each scholarship provides for participation in the summer science program at the Weizmann Institute in Israel, including registration fee and return airfare (Toronto-Israel-Toronto). The dates of the Weizmann summer science program are July 7-31, 2008. Total value of \$8000.

Angelo Posteraro [18] – Algoma Rotary ON

Electrical to Kinetic Energy Conversion Efficiency

The Canadian Society for the Weizmann Institute of Science Scholarships

The Maurice Pollack Foundation Scholarship

Sponsor: The Canadian Society for the Weizmann Institute of Science (Weizmann Science Canada)
Each scholarship provides for participation in the summer science program at the Weizmann Institute in Israel, including registration fee and return airfare (Toronto-Israel-Toronto). The dates of the Weizmann summer science program are July 7-31, 2008. Total value of \$8000.

Sarah Cheeseman [18] – Simcoe County ON

Microbes At War

Canadian Commission for UNESCO - Science for Peace and Development (MILSET ESI) Award

Sponsor: Canadian Commission for UNESCO

The winner will participate in Expo-Sciences Internationale (ESI), a non-competitive international science fair organized by the International Movement for Leisure Activities in Science and Technology (MILSET - French acronym), to be held July 23-28, 2009 in Tunis, Tunisia, and will receive a certificate. Total value \$5000.

Ghufran Siddiqui [15] – Lambton County ON

Biofixation of CO₂ Using Coccolithophorid Algae

Canadian Acoustical Association Award

Sponsor: Canadian Acoustical Association

\$500 cash & certificate plus subscription to the Canadian Acoustical Association's quarterly journal

Devon Sawatzky [14] – Manitoba Schools Science Symposium MB

Sense What You Can't Hear

Award for Excellence in Astronomy

Intermediate

Sponsor: Royal Astronomical Society of Canada

\$750 cash & certificate plus a one year membership to RASC

Derek Wai Yip Ling [15], **Cody Lee O'Neil** [15] – Central Okanagan BC

Orbital Forcing: An Astrophysical Solution to the Puzzle of Climate Change

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Award for Excellence in Astronomy

Junior

Sponsor: Royal Astronomical Society of Canada
\$500 cash & certificate plus a one year membership to RASC

Florent Herbinger [14] – Halifax NS

Tracking the sun

Australian National Youth Science Forum Award

Sponsor: National Youth Science Forum Australia

The Australian delegation to the CWSF selects one or two grade 10/secondary IV Canadian finalists to invite to the 12-day National Youth Science Forum (NYSF) at the Australian National University in Canberra in January 2009. All expenses within Australia are covered by the NYSF, but as part of the program, participants are expected to raise the funds to cover their travel. The NYSF focuses on encouraging the achievement of excellence and the development of communication and interpersonal skills for careers in science, engineering and technology. It also fosters discussion of and interest in major national and global issues and emphasizes the importance of maintaining continuing active interests in sport, arts and music.

Nicole Goldring [16] – Cariboo Mainline BC

Mountain Pine Beetle: The Silent Fire

Derek Wai Yip Ling [15], **Cody Lee O'Neil** [15] – Central Okanagan BC

Orbital Forcing: An Astrophysical Solution to the Puzzle of Climate Change

Agriculture and Agri-Food Award

Senior

Sponsor: Youth Science Foundation Canada
\$1000 cash & certificate

Grace Wang [16] – South Fraser BC

"Sour Soil": the resiliency of nitrogen fixation capabilities of Rhizobia in a

Agriculture and Agri-Food Award

Intermediate

Sponsor: Youth Science Foundation Canada
\$750 cash & certificate

Fiona Emdin [14] – Quinte ON

Priming and exogenous treatments for salt stress in Phaseolus vulgaris.

Agriculture and Agri-Food Award

Junior

Sponsor: Youth Science Foundation Canada
\$500 cash & certificate

Ben Underwood [13] – Avon Maitland-Huron Perth ON

Green Eggs and Beef

The Actuarial Foundation of Canada Award

Senior

Sponsor: The Actuarial Foundation of Canada
\$1000 cash & certificate

Benoit Landry [17], **Alexandre Turbide** [17] – Rive-Nord QC

OSUM

John Coccimiglio [17], **Mario Nucci** [17] – Northwestern Ontario ON

The Winds of Change: The Superior by Nature Energy Plan

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



The Actuarial Foundation of Canada Award

Intermediate

Sponsor: The Actuarial Foundation of Canada
\$750 cash & certificate

Megan Schlorff [15] – Bluewater ON
Let the River Flow

Sathya Baskaran [14] – Ottawa ON
Bend it Like Pig

The Actuarial Foundation of Canada Award

Junior

Sponsor: The Actuarial Foundation of Canada
\$500 cash & certificate

Claire Longcroft [12] – Greater Vancouver BC
Are You Well Heeled?

Jonas Ordman [12] – Calgary Youth AB
Cast Innovation: Reducing the Risk

S.M. Blair Family Foundation Award

Senior

Sponsor: S.M. Blair Family Foundation
\$1000 cash & certificate

David Castelino [18] – Peel ON
Photonic Boom

S.M. Blair Family Foundation Award

Intermediate

Sponsor: S.M. Blair Family Foundation
\$750 cash & certificate

Gary Kurek [16] – Edmonton AB
The Rollator Wheelchair Hybrid 2: Attaching The Freedom Of Independent Mobility

S.M. Blair Family Foundation Award

Junior

Sponsor: S.M. Blair Family Foundation
\$500 cash & certificate

Tyler James Landry [13], **Spencer Slaney** [13] – Sudbury ON
You are Under Fall-Arrest

Peter W. Newman Award

Sponsor: Canadian Council of Technicians and Technologists
\$1000 cash, certificate & plaque

Éveline Arpin [17], **Élizabeth Cyr Marcotte** [16] – Montréal QC
Quand la santé part en fumée!

Merck Frosst Award

Sponsor: Merck Frosst Canada
\$1000 cash & certificate

Yang Li [18], **Wei-Wei Zhang** [17] – Calgary Youth AB
Alzheimer's Disease: PARs to the Rescue

Award Recipients

Canada-Wide Science Fair 2008

Ottawa, Ontario



Discovery Channel Math Award

Sponsor: Discovery Channel
\$750 cash & certificate

Zach Poole [12] – Chinook Country AB
Stocks: Predicting When To Sell

CSSE Engineering Innovation Award

Senior

Sponsor: Canadian Society for Senior Engineers
\$1000 cash & certificate

David Gagnon [17] – Outaouais QC
Revêtement nature

CSSE Engineering Innovation Award

Junior

Sponsor: Canadian Society for Senior Engineers
\$500 cash & certificate

Jenna Schlorff [12] – Bluewater ON
Think Fast!

Carlson Wagonlit Award

Sponsor: Carlson Wagonlit Travel/Madison Travel
\$500 cash & certificate

Jenna Schlorff [12] – Bluewater ON
Think Fast!

CAP Physics Prize

Sponsor: Canadian Association of Physicists
\$1000 cash & certificate.

Alice Jourmel [16] – Vancouver Island BC
Dynamic Testing of Strength and Vibration Properties of Hardwoods

Canadian Society for Medical Laboratory Science Award

Sponsor: Canadian Society for Medical Laboratory Science
\$750 cash & certificate

Kim Pawliw [15] – Estrie QC
Docteur Bob l'Éponge

Canadian Mathematical Society Award

Sponsor: Canadian Mathematical Society
\$1000 cash & certificate

Ethan Toumishey [18] – Fundy NB
Take a Slide down the Learning Curve