



Science
Atlantic

Science
Atlantique



Conference Award Winners
2018-2019

Letter of Address

On behalf of Science Atlantic, I am pleased to present the 2018-2019 Student Awards Yearbook. It is a pleasure to reflect on the capacity of the students in our region and to recognize, through these awards, some of our most talented young scientists.

Over 800 student delegates and faculty from across Atlantic Canada attended eight Science Atlantic conferences this year, including the inaugural Science Atlantic Nutrition & Foods Conference hosted at Mount Saint Vincent University. Of those participants, 83 students received awards recognizing excellence in scientific research, communication, mathematical problem solving, and computer programming.

Through student presentations, keynote speakers, field trips, and workshops, conferences foster and facilitate academic success, career development, and a strong scientific community. Professional conference experiences expose students to current research and connect them to their cohort of fellow scientists, which in turn promotes future academic and career opportunities.

A warm thank you to all our sponsors, listed in the final pages of this Yearbook. Your support allows us to continue providing these experiential learning opportunities. We look forward to working with you again in the 2019-2020 conference season.

I would also like to express my thanks to the students, faculty, and staff who coordinated this year's conferences. Your hard work is deeply appreciated, not only by Science Atlantic, but by the students whose education you help to enrich.

Finally, congratulations to the winners listed in this year's Awards Yearbook. I hope this recognition of your scientific success will continue to inspire you on your path.



Lois Whitehead
Executive Director

2018-2019 Conferences

Mathematics, Statistics & Computer Science
October 12-14, 2018
Université de Moncton

Geoscience (AUGC)
November 1-3, 2018
Dalhousie University

Physics & Astronomy (AUPAC)
February 1-3, 2019
Acadia University

Nutrition & Foods
February 28-March 1, 2019
Mount Saint Vincent University

Environment
March 7-10, 2019
St. Francis Xavier University

Aquaculture & Fisheries and Biology
March 8-10, 2019
Crandall University

Psychology
May 6-7, 2019
Mount Allison University

Chemistry (ChemCon)
May 24-26, 2019
Acadia University

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Science Atlantic Science Communication Award Winners

This award is presented to students who show an outstanding ability to communicate a scientific topic to their peers. The award consists of a cash prize co-sponsored by Canadian Science Publishing and Science Atlantic and the opportunity to work collaboratively with the Atlantic Student Research Journal to write and publish an article about the winner's research.



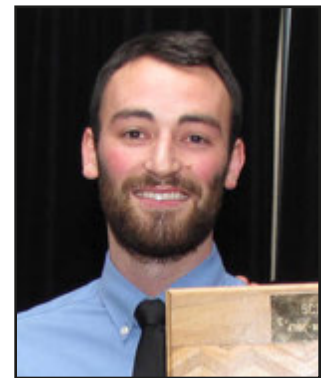
Madison Brauer
UPEI



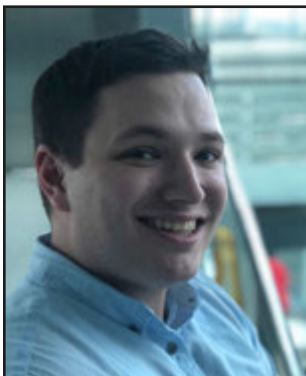
Andy Couturier
UdeM



Elizabeth Dreise
STU



Liam MacNeil
UNB-F



Devon McGrath
MUN



Kaleigh Mcleod
SMU



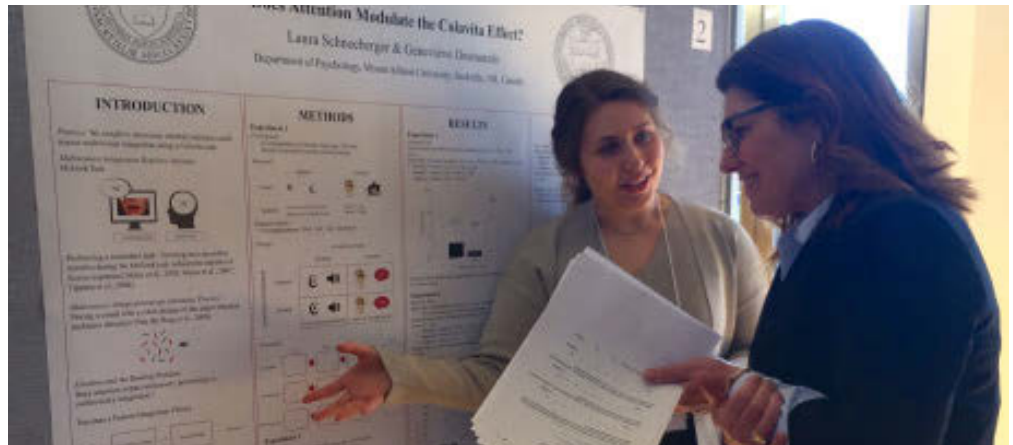
Sula Swart
Mt. A



Sophia Waddell
SMU



Steven Wilton
Acadia



Science Atlantic Undergraduate Research Award Winners

This award is presented to students who demonstrate outstanding research on a scientific topic.



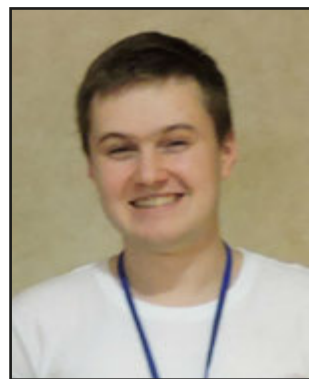
Milia Aidemouni
UNB-SJ



Caitlin Barry
UNB-SJ



Stephanie Cairns
UPEI



Alex Christie
Dal



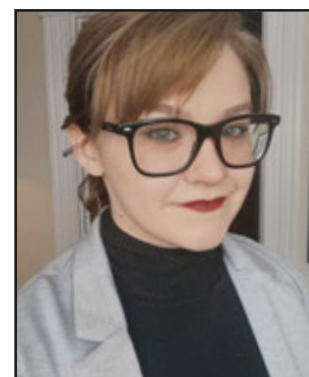
Zack Clancy
MUN



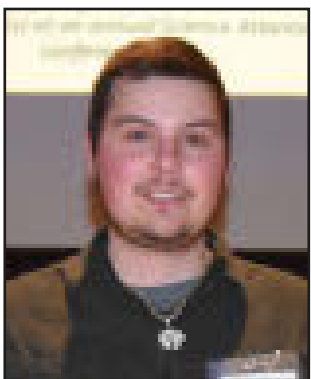
Megan Clarke
Grenfell Campus,
MUN



Rachel Corney
SMU



Alexandra Dickey
UNB-F



Shawn Feener
UNB-F



Victoria Field
CBU



Cynthia Forgeron
StFX



Hillary Fry
Acadia

Science Atlantic Undergraduate Research Award Winners



Charlie Gerrie
Dal



Alison Gladwell
Dal



George Guirguis
MUN



Margaret Hopkins
Acadia



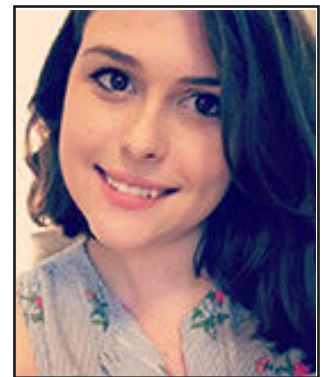
Emily Kraemar
Dal



Katie MacEachern
StFX



Colin MacKay
Dal



Morgan Nesbit
UNB-SJ



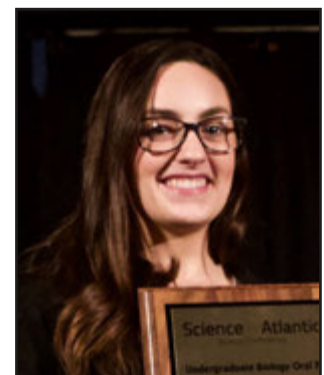
Liam Payne
UPEI



Sonya Radvan
SMU



Ali Raisolsadat
UPEI



Sarah Robertson
Acadia

Science Atlantic Undergraduate Research Award Winners



Sarah Stewart
Acadia



Sula Swart
Mt. A



Grace Tompkins
StFX



Brent Walker
Mt. A



Lucas Walters
MUN



Nicholas Zinck
MSVU



Science Atlantic Graduate Research Award Winners



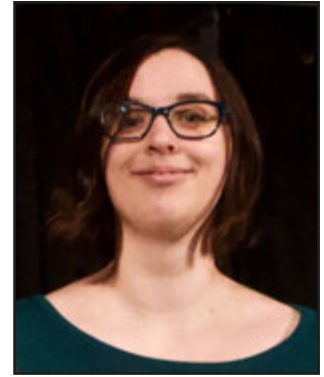
Sarah Adams
Acadia



Caroline Anderson
MSVU



Viviane Baldwin
UdeM



Judith Bjorndahl
Acadia



Julia Campbell
Mt. A



Erin Carmody
MSVU



Dylan Hale
Dal



Marcus Kindervater
Dal



Thilini Nuwndhara
Dissanyake
Agricultural Campus,
Dal



Christopher Small
UNB-F



Jackson Zhe Yang
Acadia

Conference Specific Awards

Aquaculture & Fisheries



Shangning Wang
Agricultural Campus,
Dalhousie University

**Miramichi Striper
Cup Striped Bass Award**
Sponsored by the City of Miramichi

Biology



Caitlyn Zamora
Dalhousie University

Botany Award, Oral Presentation
Sponsored by the Canadian Botanical Association



Bridget Biermann
Saint Mary's University

Botany Award, Poster Presentation
Sponsored by the Canadian Botanical Association

Chemistry (ChemCon)



Sarah Martell
Dalhousie University

E. Gordon Young Award for Best Pedagogical Presentation

Eldrid Gordon Young was on the frontiers of Canadian biochemistry. An internationally recognized scientist and scholar, he was the first Canadian to hold the title of biochemist, the founding chair (1924) of the Department of Biochemistry at Dalhousie University, and the founding director (1950) of the Atlantic Regional Laboratory of the National Research Council of Canada.



Brandon Frenette
University of New
Brunswick, Fredericton

Murray Brooker Award in Chemistry

Murray H. Brooker devoted his career to the teaching of chemistry, first as a high school teacher, and then for 28 years as a professor of chemistry at Memorial University. Throughout his career, Dr. Brooker displayed a passion for and active involvement in science education and promotion at the secondary school level.

Chemical Institute of Canada Awards: Best Undergraduate Oral Presentation

Physical Chemistry



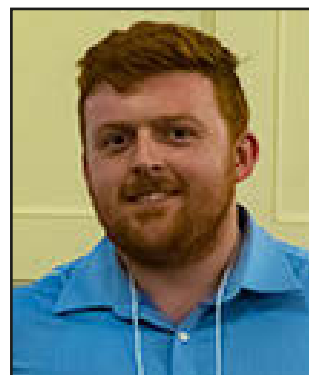
Christopher Qiu
Memorial University

Organic Chemistry



Jun Luo
Acadia

Materials Chemistry



Scott Young
Dalhousie University

Inorganic Chemistry



Ben Nadeau
University of New Brunswick,
Fredericton

Biological or Medicinal Chemistry



Jennifer Kolwich
Saint Mary's University

Analytical Chemistry



Arianna Joseph
Saint Mary's University

Chemical Institute of Canada Award: Best Undergraduate Poster Presentation

Physical Chemistry



Tara Misener
University of Prince Edward Island

Organic Chemistry



Jenna McNutt
Acadia

Materials Chemistry



Anabelle Kilham
Mount Allison University

Inorganic Chemistry



Jordan Conrad
University of New Brunswick,
Fredericton

Biological or Medicinal Chemistry



Sarah Boudreau
Cape Breton University

Analytical Chemistry

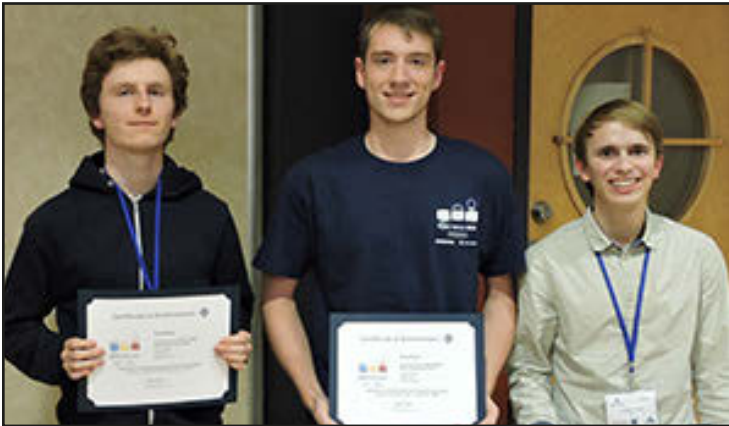


Gaius St. Marie
Saint Mary's University

Computer Science

Computer Science Programming Competition

Science Atlantic serves as the host of the Atlantic Canadian Preliminary Contest competition, part of the world-wide ACM Intercollegiate Programming Contest (ICPC). Each year, the top teams from Atlantic Canada go on to compete in the Northeast North America (NENA) competition.



1st Place

James Black, Isaac Lee, Graeme Zinck
Mount Allison University



2nd Place

Samuel Chamber, Jason Tomkins,
Morgan Bender
Mount Allison University



3rd Place

Stephen Downward, Emily Franklin,
Tim Meredith
University of New Brunswick,
Fredericton

Environment (SAEC)



Emilie Noel, Kindy Houinato
Mount Allison University

K.C. Irving Environmental Science Centre Award

This award is given annually for the best oral or poster presentation of undergraduate student research relating to the flora or fauna of the Acadian Forest region or the Boreal Forest in Newfoundland and Labrador.

Geoscience (AUGC)



Mattea McRae
Memorial University

Imperial Oil Best Poster Award

This award is given to the student presenting the best overall poster on any topic on the basis of the scientific quality of the topic, the amount of original work done by the student, and his/her understanding of the subject.



Brant D. Gaetz
Memorial University

Canadian Society of Petroleum Geologists Award



Jacob Newman
Memorial University

Best Geophysical Presentation

*Sponsored by the Canadian Society of
Exploration Geophysicists*



Kali Gee
Saint Mary's University

The Frank S. Shea Memorial Award in Economic Geology

Frank Shea was a proud Nova Scotian and strong supporter of educational programs in geology. His career was devoted to mineral resources exploration and development activities in the Atlantic region, in which field he served as Chief Geologist and division director of the Mineral Resources and Geological Services Division in the former Nova Scotia Department of Mines.



Garrett Velkjar
Acadia University

Environmental Geoscience Award

Sponsored by the Atlantic Geoscience Society



Mathematics & Statistics

Mathematics Problem Solving Competition

Each year, the Science Atlantic Mathematics, Statistics and Computer Science conference opens with a rigorous problem solving competition. Teams of two undergraduate students compete, with no notes, calculators, computers, cellphones, or other resources.



1st Place

Andrew Dawson, Samuel Bauer
Memorial University



2nd Place

Ben Wang, Chao Qian
University of Prince Edward Island



3rd Place

Curran McConnel, Alex Christie
Dalhousie University

Nutrition & Foods



Lydia Hayward
Acadia

Clara Jefferson Award

This award is presented to a student who advances the discipline of food science and nutrition. In honour of Clara Jefferson, Doctor of Civil Laws (Acadia '48).

Physics & Astronomy (AUPAC)

Tindall/Steinitz Award in Research

This award is presented in honour of professors David Tindall (Dalhousie, retired) and Michael Steinitz (Saint Francis Xavier University, retired) who each served on the Science Atlantic Physics & Astronomy Committee for over 25 years.



Veronika Dornan
Mount Allison University



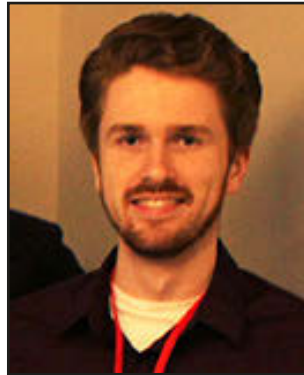
Bradley Guislain
University of New Brunswick,
Fredericton



Honourable Mention, Oral Presentation



Grant Wilbur
University of New Brunswick,
Fredericton



Ryan Harvey
University of New Brunswick,
Fredericton

Psychology

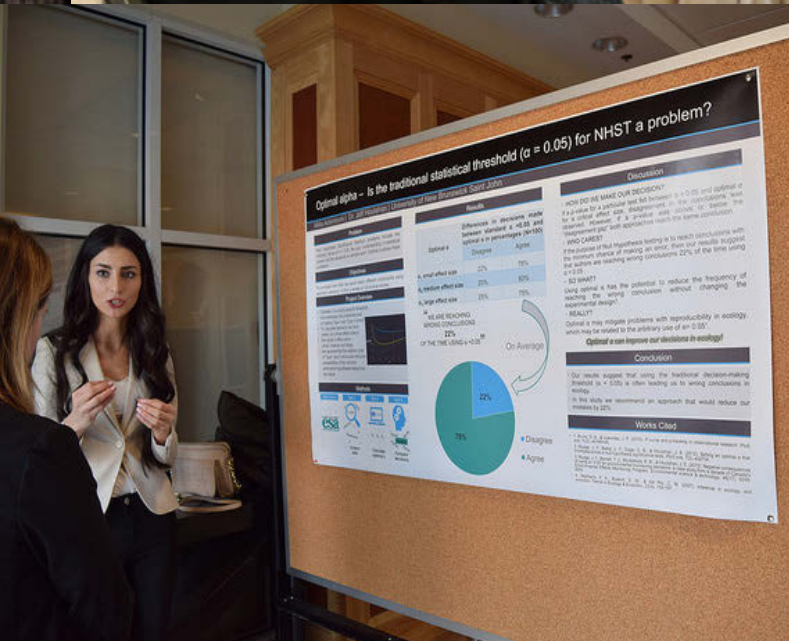


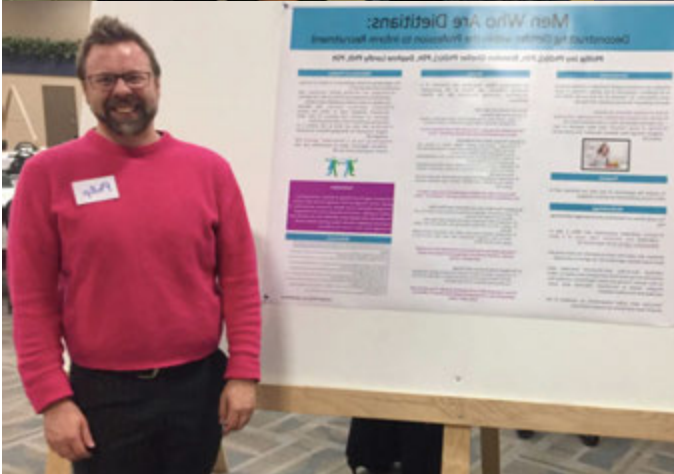
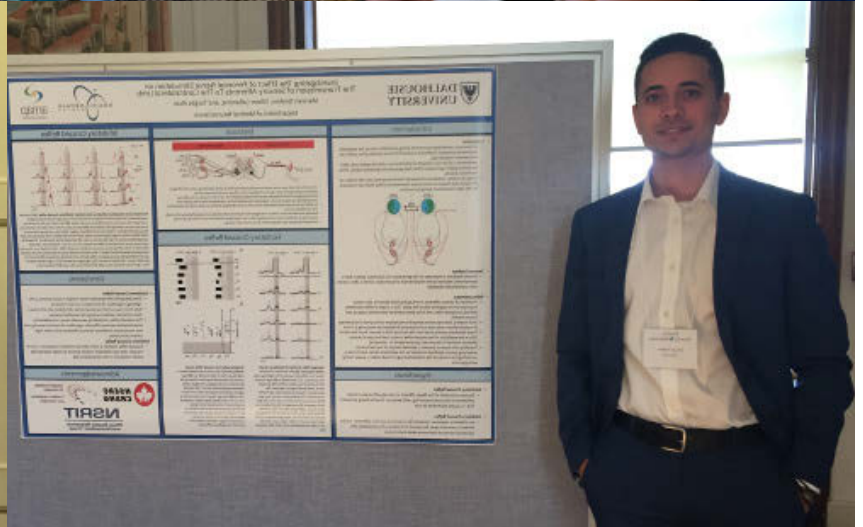
Klara Doelle
Dalhousie University

The Karen Nicholson Award in Neuropsychology

This award is presented in honour of Dr. Karen Nicholson, former Science Atlantic Psychology Committee member remembered for being an enthusiastic teacher and energetic researcher.







2018-2019 Partners & Sponsors

We would like to extend our gratitude to our sponsors for their supportive role in providing Atlantic student scientists with new opportunities and enriching experiences.

A special acknowledgment to Canadian Science Publishing and the Atlantic Student Research Journal for their sponsorship of the Science Atlantic Science Communication Award.

Aquaculture & Fisheries and Biology

Agricultural Alliance
Aquaculture Association of Canada
Benson Aquaculture
City of Moncton
Crandall University
Cooke Aquaculture
Elanco Animal Health
Marine Institute
Miramichi Striper Cup/City of Miramichi
Newfoundland Aquaculture Industry Assoc.
Ocean Frontier Institute (OFI)
Valores Inc.

Chemistry

Acadia Chemistry Club
Acadia University Department of Chemistry
Acadia University Faculty of Pure and Applied Science
BioVectra Inc.
The Chemical Institute of Canada:
Chemical Education Division
Maritime Local Section
Materials Chemistry Division
Analytical Chemistry Division
Newfoundland and Labrador Local Section
Federation of Canada's Professional Chemists
Nova Scotia Chemists' Society
Paraza Pharma

Environment

Antigonish Evergreen Inn
Antigonish Victorian Inn
Eastern Region Solid Waste Management
Envirosphere Consultants Limited
Eosense Environmental Gas Monitoring
Final Straw
Kenny's Pizza
Nova Construction General Contractors
Nova Scotia Community College
Royal Bank of Canada
Scott & Stewart Forestry
Solid Waste Association of North America
St. Francis Xavier University
St. Francis Xavier Campus Store
Strum Consulting
The Canadian Society of Environmental Biologists
University of Toronto Press

Geoscience

Anaconda Mining
Atlantic Geoscience Society
Atlantic Gold Corporation
Atlantic Minerals Limited
Canadian Society of Exploration Geophysicists
Canadian Society of Petroleum Geologists
Conjugate Margins Conference
Dalhousie Science Society
Dalhousie Student Union
Dalhousie University, Dean's Office Faculty of Science
Exxon Mobil
Geological Association of Canada
Geoscientists Nova Scotia
Imperial Oil
Mercator Geological Services
Mineral Deposits Division of the Geological
Association of Canada
Mineralogical Association of Canada

Mining Society of Nova Scotia
Nova Scotia Community College
Nova Scotia Department of Energy and Mines
Nova Scotia Offshore Energy Research Association
Prospectors & Developers Association of Canada
Tata Steel Minerals Canada Ltd.
Triumph Gold Corp

Mathematics, Statistics & Computer Science

The Atlantic Association for Research in the
Mathematical Sciences (AARMS)
Université de Moncton:
Department of Computer Science
Department of Mathematics and Statistics
Faculty of Graduate Studies and Research
The Vice-Rectorate for Academic and Research

Nutrition & Foods

Abbott Laboratories
Canadian Nutrition Society
Canadian Sugar Institute
Cape Breton University
Dairy Farmers of Canada
Dalhousie University
Memorial University
Mount Saint Vincent University
Social Sciences and Humanities Research Council
Université de Moncton, The Dean of Science

Physics & Astronomy

Acadia University
The Canadian Journal of Physics

Psychology

Mount Allison University
Pearson Publishing
Town of Sackville, New Brunswick
The Canadian Society for Brain, Behaviour and-
Cognitive Science (CSBBCS)

Science Atlantic Member Institutions

Acadia University

Agricultural Campus, Dalhousie University

Cape Breton University

Crandall University

Dalhousie University

Grenfell Campus, Memorial University

Memorial University

Mount Allison University

Mount Saint Vincent University

St. Francis Xavier University

Saint Mary's University

St. Thomas University

Université de Moncton

University of New Brunswick, Fredericton

University of New Brunswick, Saint John

University of Prince Edward Island

We look forward to seeing new and returning faces during the 2019-2020 Student Conference Season!