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

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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

Alexandrea 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

Judith Bjorndahl
Acadia

Erin Carmody
MSVU

Julia Campbell
Mt. A

Viviane Baldwin
UdeM

Marcus Kindervater
Dal

Thilini Nuwndhara
Dissanyake Agricultural Campus, Dal

Christopher Small
UNB-F

Jackson Zhe Yang
Acadia
Conference Specific Awards

Aquaculture & Fisheries

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

Shangning Wang
Agricultural Campus, Dalhousie University

Biology

Botany Award, Oral Presentation
*Sponsored by the Canadian Botanical Association*

Caitlyn Zamora
Dalhousie University

Botany Award, Poster Presentation
*Sponsored by the Canadian Botanical Association*

Bridget Biermann
Saint Mary's University
Chemical Institute of Canada Awards:
Best Undergraduate Oral Presentation

Physical Chemistry

Christophér Qiu
Memorial University

Organic Chemistry

Jun Luo
Acadia

Materials Chemistry

Scott Young
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.

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 Award:
Best Undergraduate Poster Presentation
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)

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.

Emilie Noel, Kindy Houinato
Mount Allison University

Geoscience (AUGC)

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.

Mattea McRae
Memorial University

Canadian Society of Petroleum Geologists Award

Brant D. Gaetz
Memorial University
Best Geophysical Presentation
*Sponsored by the Canadian Society of Exploration Geophysicists*

Jacob Newman
Memorial 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.

Kali Gee
Saint Mary’s University

Environmental Geoscience Award
*Sponsored by the Atlantic Geoscience Society*

Garrett Velkjar
Acadia University
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
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).

Lydia Hayward
Acadia

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

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.

Klara Doelle  
Dalhousie University
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
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!