Introduction

I’m pleased to share the 2017-18 Awards Yearbook with you. This Yearbook lets us recognize academic student successes achieved by those who presented or competed at one of the eight annual academic conferences sponsored by Science Atlantic. This year, hundreds of student delegates from across the region participated in Science Atlantic conferences, of those, 72 students were recognized for excellence in scientific research, science communication, and other academic skills such as mathematical problem solving and computer programing.

Academic student conferences provide great opportunities for learning, professional development and networking. Students are given the chance to learn from their peers, faculty and experts through student presentations, keynote speakers, field trips, and other conference related activities. By presenting their own research, students gain invaluable experience in sharing their findings and valuable feedback on their work. Conferences also provide a space for networking, enabling the development of connections for future education and careers.

Many Science Atlantic conferences would not be possible without the generous support from their sponsors. Thank you to all sponsors! A list of these sponsors can be found at the end of the Yearbook. Finally, I’d like to extend my thanks to the student, faculty, and staff of the host institutions who worked hard to make these conferences successful!

Congratulations to all!

Lois Whitehead
Executive Director

2017-18 Conferences

Mathematics, Statistics and Computer Science
October 13-15, 2017
University of New Brunswick, Fredericton

Aquaculture & Fisheries and Biology
March 9-11, 2018
Memorial University

Atlantic Universities Geoscience (AUGC)
October 26-28, 2017
Memorial University

Environment
March 16-18, 2018
Mount Allison University

Atlantic Universities Physics & Astronomy (AUPAC)
February 2-4, 2018
University of New Brunswick, Fredericton

Psychology
May 8-9, 2018
Dalhousie University

Chemistry (ChemCon)
June 7-9, 2018
Saint Mary’s University
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Science Atlantic Science Communication Award
Sponsored By Canadian Science Publishing

Holly Barrett (MUN)  Jordan Barrett (Dal)  Ariel Greenblat (Dal)  Ryan Harvey (UNB-F)
Isabelle Hurley (Dal)  Morgan King (UPEI)  Jennifer Kolwich (SMU)  Molly LeBlanc (SMU)
Irene Li (MtA)  Victoria Mackey (MUN)  Manasi Shah (UNB-F)  Claire West (MtA)
Science Atlantic Undergraduate Research Award

Courtney Allen (UNB-F)  Emma Blanche (Acadia)  Nathaniel Brewer (UNB-F)  Brock Burgess (Acadia)

Victoria Cluney (SMU)  Taylor Crosby (MtA)  Sally Faulkner (MtA)  Anna Luise Frankfurt (UPEI)

Isabelle Hurley (Dal)  Matthew Johnson (MUN)  Quentin Kerr (Dal)  Patricia Kibenge (UPEI)
Science Atlantic Undergraduate Research Award

Yiqi Lai (Dal)  Stacey Lee (CBU)  Maggie MacDonald (Acadia)  Katie MacEachern (StFX)

Hannah Mackellar (MtA)  Maggie MacPhee (MtA)  Johanna Murphy (MUN)  Brandon Nilsen (Acadia)

Milangros Sanchez (Dal)  Jared Sapiro (Dal)

[Images of award recipients]
Science Atlantic Graduate Research Award

Ashley Bungay (MUN)  Eileen Haskett (Acadia)  Sarah Jacques (UdeM)  Robin Leeuwis (MUN)

Gemma Rayner (MUN)

[Image of two individuals holding certificates]
Conference Specific Awards

Biology

Botany Award
Sponsored by the Canadian Botanical Association

Allison Ford (MUN)
Emma McDermott (UPEI)

Aquaculture & Fisheries

Aquaculture & Fisheries

Miramichi Striper Cup
Sponsored by the City of Miramichi

Hillary Dort (Acadia)

[Poster Presentation Image]

Do nestlings increase their begging in response to enhanced sibling competition in European Starlings, *Sturnus vulgaris*?

**Introduction**
- Introduction to the study on nestling begging behavior.

**Methods**
- Experimental setup, data collection techniques.

**Analysis**
- Statistical analysis performed.

**Results**
- Graphs and data showing results.

**Discussion**
- Interpretation of results, implications.

**Conclusion**
- Summary of findings, future research directions.

**Objective**
- Objectives of the study.

**Data Collection**
- Procedure followed for data collection.

**Methods**
- Detailed methods used in the study.

**Prediction**
- Predictive models derived from data.

[Additional Images and Text]
Chemical Institute of Canada (CIC) Award for Best Presentation in Analytical Chemistry

Kathleen Allen (SMU)  Philip Jakubec (Dal)  Najwan Alburgouthi (SMU)
Melanie Davidson (SMU)  Katharine Miller (Acadia)

Chemical Institute of Canada (CIC) Award for Best Presentation in Biological/Medicinal Chemistry

Tam Pham (UofT)  Kaitlyn Blatt-Janmaat (SMU)  Alana Rangaswamy (Dal)  Kosuke Kanayama (MSVU)
Chemistry (ChemCon) Continued

Chemical Institute of Canada (CIC) Award for Best Presentation in Physical, Computational, and Theoretical Chemistry

Anderson Fuller (Acadia)  Katherine Reiss (MtA)  Alexander Hare (Dal)

Chemical Institute of Canada (CIC) Award for Best Presentation in Inorganic Chemistry

Katrina Turrie (SMU)  Chris Lavoie (Dal)  Amar Kumar Bhardwaj (UNB-F)

Chemical Institute of Canada (CIC) Award for Best Presentation in Theoretical Chemistry

Marcus Kindervater (MtA)  Livia Ferland (UNB-F)

Archita Adluri (MUN)  Christopher Qiu (MUN)
Chemistry (ChemCon) Continued

Chemical Institute of Canada (CIC) Award for Best Presentation in Organic Chemistry

Andrew Duffy (StFX)
Chandika Devi Ramful (SMU)
Victoria Rose (MUN)
Jenna McNutt (Acadia)
Jun Luo (Acadia)
Blake Huchenski (Dal)
Genesis Infante (UNB-F)
Jayden Price (UNB-F)
Fanta Ndongou-Moutombi (UdeM)
Chemistry (ChemCon) Continued

Chemical Institute of Canada (CIC) Award for Best Presentation in Materials Chemistry

Shayne Gracious (Dal)  Bry Crabbe (StFX)  Govinda Humagain (Dal)  Maxine Kirshenbaum (Dal)

E. Gordon Young Award for Best Graduate Pedagogical Presentation

Morgan Burgoyne (UNB-F)

Murray Brooker Award in Chemistry

Taylor Lynk (SMU)
K.C. Irving Environmental Science Centre Award

Imperial Oil Best Poster Award

Canadian Society of Petroleum Geologists (CSPG) Award

Best Geophysical Presentation (Canadian Society of Exploration Geophysicists Award)
Geoscience (AUGC) Continued

The Frank S. Shea Memorial Award in Economic Geology

Kate Woods (Dal)

Environmental Geoscience Award
Sponsored by the Atlantic Geoscience Society

Kirklyn Davidson (Acadia)
Science Atlantic Computer Science Programming Competition

1st Place
Tiger One (Dal)
Xu Chen, Peter Lee, Robin Messenger

2nd Place
MTA Rogue Three (MtA)
Olivier Bourgeois, James Black, Lucas Wood

3rd Place
UNB-F
Vlad Marica, Marco Merlino, Caleb Reath
Mathematics, Statistics & Computer Science
Continued

Mathematics Problem Solving Competition

1st Place
Memorial University
Samuel Bauer (pictured left), Mason Nolan

2nd Place Tie
Dalhousie University (left)
James Eckstein, and Howe Simpson
Université de Moncton (right)
Frédéric LeBlanc and Sory Cisse
Tindall/Steinitz Award in Research

1st Place Tie
Saint Mary’s University
Sophia Waddell

1st Place Tie
Université de Moncton
Yannick Castonguay-Page

Psychology

Karen Nicholson Award in Neuropsychology

Mariam El-Serafi (Dal)
2017-18 Partners and Sponsors

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Aurion
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Canadian Association of Theoretical Chemists (CATC)
Canadian Botanical Association
BioVectra CIC Chemistry Education Division
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CIC Maritime Division
CIC Materials Division
CIC Newfoundland Division
CIC Organic Division
CIC Physical, Theoretical, and Computation Division
C-NLOPB
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MtA Provost’s Office Conference Fund
Nalcor Energy Oil and Gas
Nelson
Newfoundland Aquaculture Industry Association
NLPA
Nova Scotia Chemists Society (NSCS)
Nova Scotia Department of Energy
Ocean Choice International
Ocean Frontier Institute
Office of the Vice-President Research, MUN
Pegni
Prospectors & Developers Association of Canada
Province of Newfoundland and Labrador
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TATA Steel Minerals Canada
The Atlantic Association for Research in the Mathematical Sciences
The Canadian Society of Exploration Geophysicists
The Lobster Council of Canada
The Lord Nelson Hotel & Suites
UNB Fredericton Marketing Office
UNB Fredericton: Dean of Science
UNB Fredericton: Department of Mathematics and Statistics
UNB Fredericton: School of Graduate Studies
UNB Fredericton: the Dean of Computer Science
UNB Fredericton: Vice President Academic
UNB-Fredericton Student Union
WJ Mullins
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Saint Mary’s University
St. Francis Xavier University
St. Thomas University
Université de Moncton
University of New Brunswick, Fredericton
University of New Brunswick, Saint John
University of Prince Edward Island