



ATLANTIC STUDENT RESEARCH JOURNAL

PRESENTS

# Reaching Higher

---

A CONFERENCE FOR THE NEXT  
GENERATION OF RESEARCHERS

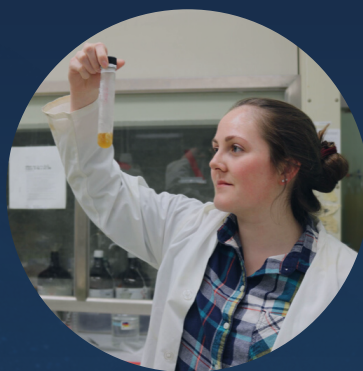


FEBRUARY 15, 2020  
FREDERICTON, NB



# WHY REACH HIGHER?

The Atlantic Student Research Journal is proud to present Reaching Higher, a conference for the next generation of researchers. At Reaching Higher, delegates will learn about opportunities to engage in professional research, and how they can best prepare themselves to take on this journey. Topics addressed will include a keynote on 'Why We Research?', comparisons of research in academia, industry, and government, how to go about finding funding, and much more. Attendees will have the chance to learn and network with high achieving individuals in the research field, and will learn valuable skills and information through a variety of workshops, all while engaging with like-minded students.



INNOVATION

RESEARCH

POSSIBILITY

---





# SCHEDULE OF EVENTS

TIME	ACTIVITY
8:00-8:45	Registration
8:45-9:00	Opening Address
9:00-9:45	Keynote Speaker 1
9:45-9:55	Transition
10:00-10:30	Workshops Round 1
10:30-11:00	Networking & Snack Break
11:00-11:45	Panel
11:45-11:55	Transition
11:55-12:25	Workshops Round 2
12:55-1:25	Lunch & Networking
1:25-2:10	Keynote Speaker 2
2:10-2:20	Transition
2:20-2:50	Workshops Round 3
2:50-3:10	Transition and Snack Break
3:10-3:55	Keynote Speaker 3
3:55-4:00	Closing Address





# FEATURED TALKS



## DR. LAURA RICHARD

---

Dr. Laura Richard is a scientist and innovator. Following the completion of her Bachelor of Science at the University of New Brunswick, Dr. Richard completed her Ph.D. in Inorganic Chemistry at Oxford University in the United Kingdom. Laura has participated in the full spectrum of research and development, providing leadership in theoretical studies, dynamic start-up companies, and large scale multi-national corporations. Her former roles included installing Tide Pod manufacturing lines at Procter & Gamble France, making Downy fabric softener less gloppy at P&G Belgium, and developing eco-catalysts for conversion of waste to fuel at Velocys in the UK. As the Director of Research at NBIF, Laura now spends her time helping other researchers commercialise their ideas. She is an active researcher who holds several patents, and has published her work in several peer-reviewed journals.





# FEATURED TALKS



## DR. JEFFREY CLEMENTS

Jeff Clements is a Marine ecologist with particular interests in animal behavior and behavioral ecology. After receiving a Bachelor of Science at Cape Breton University and a Ph.D. in Marine Biology at the University of New Brunswick, Jeff went on to perform a Postdoctoral Fellowship at the University of Prince Edward Island and a Marie-Sklodowska-Curie Postdoctoral Fellowship at the Norwegian University of Science and Technology where he studied the effects of climate change on the behavioral ecology of marine animals. Currently Jeff is a full-time Research Scientist for Fisheries and Oceans Canada. On top of his work as a Marine Ecologist, Jeff is also interested various facets of the scientific process, including open science, science communication, academic mental health, and peer-review.



# FEATURED TALKS



## ASHLEY EADIE

---

Ashley Eadie is a fourth year Ph.D. Candidate in the Faculty of Medicine at Dalhousie Medicine New Brunswick. Her research focuses on the underlying mechanisms of heart failure in order to better identify effective treatment strategies. Ashley completed her B.Sc. (with Honors) in Biology and Molecular Toxicology at the University of New Brunswick in 2014, and subsequently defended her M.Sc. in Pharmacology at Dalhousie University in 2016. During this time, Ashley also served as an engineer onboard Kingston Class Coastal Defence Vessels as a member of the Canadian Armed Forces, and was awarded Queen Elizabeth II's Diamond Jubilee medal for outstanding service to Canada. Ashley's research has been published in top-tier biomedical journals including Science Translational Medicine, The American Journal of Physiology, and The Journal of Molecular and Cellular Cardiology. Her work is supported by funding from the New Brunswick Innovation Foundation, Heart and Stroke, and the Nova Scotia Health Research Foundation.



# FEATURED TALKS

## PANEL

**Moderator: Dr. Laura Richard**

---

Director of Research at New Brunswick Innovation  
Foundation

**Industry: Mr. Dean Taylor**

---

Senior Strategic Advisor - Small Modular Reactors  
at Énergie NB Power

**Government: Dr. Jeffrey Clements**

---

Research Scientist at Fisheries and Oceans Canada  
(Gulf Region)

**Academic : Dr. Erik Scheme**

---

Associate Professor at University of New  
Brunswick, NB Innovation Research Chair in  
Medical Technologies





# WORKSHOPS:

## ROUND 1

1

**Student Panel - How to Make the Most of Your Undergrad:** Outlining undergraduate research opportunities both locally and internationally to first- and second-year students.

2

**NB-IRDT presents "Data Visualization in Research":** Discussing data visualization in research and internship opportunities at IRDT.

3

**How to Fund Your Research:** Funding opportunities for undergraduate and graduate research. How to develop a competitive application to successfully earn funding.





# WORKSHOPS:

## ROUND 2

4

**Your Next Steps - Applying to Grad School:** Applying to graduate school, how to find available opportunities, and what is needed for a competitive application.

5

**Impostor Syndrome - Addressing Bias and Mental Health in Research:** Addressing bias and mental health in research and academia. Developing the importance of maintaining balance in your life, and learning from failures.

6

**Med. School 101 - The Journey to Medical School and the Life of a Student:** The Journey and process of applying to medical school. Research opportunities available in medical school, and as a practicing physician.





# WORKSHOPS:

## ROUND 3

7

**Learning the Lingo - Understanding Concepts in Research and the Publishing Process:** Addressing how research is published, how to get your researcher ID, and common terminology in the research field.

8

**Science Communication:** Examining the importance of knowledge translation and communication in a research setting.

9

**The Environment and Research - The Importance of Research in Environmental Science:** With the current state of our climate, the importance of research in environmental science will be explored.





# GETTING INVOLVED

We are excited to offer the opportunity for all who are interested in research to partake in Reaching Higher. Delegates will have the opportunity to accumulate valuable information to **effectively explore a field in research**, refine their overall knowledge on local scientific breakthroughs, and **network with researchers** involved with leading-edge discoveries. If you are interested in attending Reaching Higher, please register at Eventbrite using the following link:

<https://reaching-higher.eventbrite.ca>

The application deadline is  
**February 8th, 2019.**





# ACCOMODATIONS

Reaching Higher is taking place at the [Wu Conference Centre](#) in Fredericton, New Brunswick.



For details regarding overnight stay and other [accommodations](#), please contact Co-Director of Delegates Claire Hermiston at [mhermist@unb.ca](mailto:mhermist@unb.ca).



# THANK YOU TO OUR SPONSORS!



Technology Management  
& Entrepreneurship



New Brunswick  
Health Research  
Foundation



Fondation de la  
recherche en santé  
du Nouveau-Brunswick



Énergie NB Power



UNIVERSITY OF NEW BRUNSWICK



UNIVERSITY OF NEW BRUNSWICK  
STUDENT UNION



Engineering  
Endowment  
Fund



Reaching  
Higher



# CONTACT US

For more information on [Reaching Higher](#) and [delegate opportunities](#), please contact:



**Alexandre Banks**

Director of Delegates

[abanksga@unb.ca](mailto:abanksga@unb.ca)



**Claire Hermiston**

Director of Delegates

[mhermist@unb.ca](mailto:mhermist@unb.ca)



**Matthew Sampson**

Co-Chair

[msampson@unb.ca](mailto:msampson@unb.ca)

