

# STUDENT DAY PROGRAM

Early-career researchers are involved in projects that require cooperation and collaboration between Indigenous communities, researchers, and other stakeholders across Inuit Nunangat and Northern Canada. ArcticNet 2018 Student Day transcends research disciplines to provide a range of sessions that equip early-career researchers with the tools and skills they need to succeed in Arctic research and in their careers.

The theme for Student Day 2018 is '**Building the Capacity, Resilience, and Awareness of Early-Career Arctic Researchers**' and is brought to you in collaboration with the ArcticNet Student Association (ASA), the Association of Polar Early Career Scientists (APECS), the Permafrost Young Researchers Network (PYRN), and a dedicated group of student volunteers. Student Day will offer a range of plenaries, workshops, and panel discussions, as well as an elevator pitch competition and a networking/social evening at the Museum of Nature.

# MONDAY, DECEMBER 10<sup>TH</sup> 2018

The Shaw Centre, Ottawa

8:30 AM – 9:00 AM	<b>Student Day Welcoming Remarks</b> ArcticNet, ArcticNet Student Association Executive Committee (ASA), Association of Polar Early Career Scientists (APECS), and Permafrost Young Researchers Network (PYRN)	OTTAWA SALON
9:00 AM – 10:00 AM	<b>Competition</b> <b>ELEVATOR PITCHES</b>  <b>About:</b> Student Day participants will have the opportunity to promote their science by means of an Elevator Pitch. Contestants will have one minute and one slide to pitch their research project and pique the public's curiosity. Judges will award 1st, 2nd and 3rd place prizes to the top elevator pitches. Also, audience members will vote for a People's Choice Award.	OTTAWA SALON
10:00 AM – 10:30 AM	<b>Break</b>	
10:30 AM – 11:15 AM	<b>Plenary Presentation</b> <b>BEING AN EARLY CAREER ARCTIC RESEARCHER IN 2018</b>  Jean Holloway (PhD candidate at the University of Ottawa) Samuel Gagnon (PhD candidate at the Université Laval)  <b>About:</b> We have invited two of our peers on stage to share their journey as Arctic graduate students. Like many of us, they have been preparing themselves for careers in Arctic research. Being an Arctic researcher requires not only publishing results, but also the need to gain online communication skills, leadership and thoughtful community engagement. This plenary session will discuss how transferable skills can be acquired and nurtured through your studies and how these skills are a paramount part of graduate studies.	OTTAWA SALON
11:15 AM – 12:00 PM	<b>Plenary Panel</b> <b>NORTHERN RESEARCH AND RECONCILIATION: PERSPECTIVES AND ADVICE FOR EARLY CAREER RESEARCHERS</b>  Dr. Jennifer Provencher (Environment and Climate Change Canada) Dr. Robert Way (Queens University) Enooyaq Sudlovenick (University of Prince Edward Island) Dr. Scot Nickels (Director, Inuit Qaujisarvingat, ITK)  <b>About:</b> This panel discussion is a contribution to the conversation around reconciliation from the perspective of Indigenous and non-Indigenous northern researchers. The moderated conversation will explore panelists' perspectives on what role research can and should play toward reconciliation in Canada's north and will provide advice to early-career researchers on actions that they can take to further reconciliation through their research activities.	OTTAWA SALON

12:00 PM – 1:30 PM

Lunch

1:30 PM – 2:15 PM

Workshop

OTTAWA SALON

**BRIDGING NORTHERN AND SOUTHERN PERSPECTIVES ON ARCTIC RESEARCH PRIORITIES  
(part 1)**

**About:** Ikaarvik is a program that works with northern youth to identify community research priorities and address these issues through partnership with southern researchers.

Lots of people talk about improving the relationship between research and northern communities; we think connecting Arctic youth and southern students is the perfect place to start! Using Ikaarvik's work in Nunavut as an example, this workshop will facilitate connections between northern and southern early career researchers through the discussion of Arctic research priorities, engaging youth and improving the relationship between research and northern communities. In addition to the presentation, time will be provided for cross-cultural sharing and discussion. Come for the fun, stay for the life-changing insights!

1:30 PM – 2:15 PM

Workshop

ROOM 210

**SCIENCE COMMUNICATION AND COMMUNITY OUTREACH (part 1)**

Erin Macpherson (Let's Talk Science)

**About:** This session will introduce participants to the process of doing community outreach in Northern communities in a meaningful and culturally responsive way. Topics covered include educational contexts in Northern communities, strategies to engage communities/schools, learning theories, and interactive activity design.

1:30 PM – 2:15 PM

Panel

ROOM 212

**BEING A RESILIENT AND SUSTAINABLE RESEARCHER**

Dr. Carie Hoover (Dalhousie University)  
Dustin Whalen (Natural Resources Canada)  
Louis-Philippe Roy (Yukon Research Centre)  
Cassandra Debets (PhD candidate at University of Manitoba)

**About:** The discussion of achieving 'work-life balance' is one that is not isolated to careers or studies in Arctic research, but being an Arctic graduate student or researcher does have unique challenges in this age-old discussion. It is important that we have the tools and skills to help us recover from challenging workloads, and avoid burn out as to maintain ourselves for long careers. The goal of this panel is to bring diverse perspectives and experiences to the table to discuss advice for graduate students to be resilient researchers. We don't have all the answers but we'll share candidly with you our insights gained from our experiences.

2:15 PM – 3:00 PM	<p><b>Workshop</b></p> <p><b>BRIDGING NORTHERN AND SOUTHERN PERSPECTIVES ON ARCTIC RESEARCH PRIORITIES (part 2)</b></p> <p><b>About:</b> Ikaarvik is a program that works with northern youth to identify community research priorities and address these issues through partnership with southern researchers.</p> <p>Lots of people talk about improving the relationship between research and northern communities; we think connecting Arctic youth and southern students is the perfect place to start! Using Ikaarvik's work in Nunavut as an example, this workshop will facilitate connections between northern and southern early career researchers through the discussion of Arctic research priorities, engaging youth and improving the relationship between research and northern communities. In addition to the presentation, time will be provided for cross-cultural sharing and discussion. Come for the fun, stay for the life-changing insights!</p>	OTTAWA SALON
2:15 PM – 3:00 PM	<p><b>Workshop</b></p> <p><b>SCIENCE COMMUNICATION AND COMMUNITY OUTREACH (part 2)</b></p> <p><b>Erin Macpherson (Let's Talk Science)</b></p> <p><b>About:</b> This session will introduce participants to the process of doing community outreach in Northern communities in a meaningful and culturally responsive way. Topics covered include educational contexts in Northern communities, strategies to engage communities/schools, learning theories, and interactive activity design.</p>	ROOM 210
2:15 PM – 3:00 PM	<p><b>Presentation</b></p> <p><b>TOP TIPS FOR SUCCESSFUL GRANT WRITING</b></p> <p><b>Dr. Stephen Petersen (Assiniboine Park Zoo)</b>  <b>Dr. Mylene Riva (McGill University)</b></p> <p><b>About:</b> Research proposals and grant applications are an important aspect of Northern research. Clearly communicating your research for these submissions is key. Under the guidance of experienced scientists representing both natural and social sciences, this presentation will provide students with top tips in planning and preparing strong research proposals and applications according to their research interests and audiences.</p>	ROOM 212
3:00 PM – 3:30 PM <b>Break</b>		
3:30 PM – 4:15 PM	<p><b>Panel</b></p> <p><b>CAREERS IN ARCTIC RESEARCH</b></p> <p><b>Dr. Melissa Lafreniere (Queen's University)</b>  <b>Erin Abou-Abssi (Oceans North)</b>  <b>Jennifer Sokol (Polar Knowledge)</b></p>	OTTAWA SALON

Shannon MacPhee (DFO)

**About:** Career development is extremely important for early career researchers, but it is helpful to know what type of job you are interested in before you start to hone in and build skills. This panel will be a discussion of potential careers in Arctic Research from a group with diverse backgrounds. Whether it be government science, academia, or working for an NGO, there are many options. Our panelists will be discussing how they ended up in their current position, as well as providing some tips and tricks to help you end up there too!

3:30 PM – 4:15 PM

**Workshop**

**IMPROV FOR SCIENTISTS**

Dr. Monica Granados (Mitacs Canadian Science Policy Fellow)

Dr. Katie Pagnucco (John Abbott College)

**About:** Improvisational comedy can improve the practice of science. You learn to be spontaneous, to embrace failure, to effectively tell stories, to be a better listener and the importance of contributing to ideas. In this introductory workshop, we will introduce the fundamentals of improv through a series of guided group and partner exercises and directly link each fundamental element of improv to its application in the practice and communication of science.

ROOM 210

3:30 PM – 4:15 PM

**Panel**

**THE IMPORTANCE OF MENTORSHIP**

Dr. Jennifer Provencher (Environment and Climate Change Canada)

Dr. Robert Letcher (Environment and Climate Change Canada)

Dr. Jackie Dawson (UOttawa)

Alysa McCall (Polar Bears International)

Eric Loring (Inuit Tapiriit Kanatami)

**About:** As an early career researcher, your supervisor is there to support you and guide you through the graduate process but often there are other people who are foundational in your growth. This diverse panel will discuss the topic of mentorship and the important role that it plays. Who and what is a mentor? How is a mentor different from a supervisor? How do you find someone that is mentor fit for you?

ROOM 212

6:00 PM

**Social Night**

This year, the social night will be hosted at the Museum of Nature. This unique setting will be a fun place to network and enjoy the Arctic exhibition.

Canadian  
Museum of  
Nature

# TUESDAY, DECEMBER 11<sup>TH</sup> 2018

The Shaw Centre, Ottawa

8:30 AM – 9:15 AM

## Plenary Panel

OTTAWA SALON

### COMMUNITY COLLABORATIONS AND ENGAGEMENT WITH RESEARCH

Mia Otokiak (Youth Mentor for the Ikaarvik: Barriers to Bridges program)

Dr. Lisa Loseto (DFO)

Natasha Simonee (Former Mittimatalik HTO Manager and Pond Inlet, Nunavut Community Member) Marissa Mills (uOttawa student and Kluane First Nation (Burwash Landing, Yukon) Community Member)

**About:** Engagement with Indigenous communities is an important part of many Arctic research projects, but there is little training offered for early career researchers (ECRs) on how to conduct these types of activities. Short term projects and limited funding make meaningful engagement challenging. Who do you contact? What type of activities are best? We hope to provide some guidance for ECRs on engaging with Indigenous communities through the whole pipe-line of a research project - what to do before you start, how to engage communities during the project, and how to share your results. This panel will include perspectives from researchers and community members who will talk about successful engagement and best practices.

9:15 AM – 10:00 AM

## Presentation

OTTAWA SALON

### DATA MANAGEMENT ESSENTIALS

Chantel Ridsdale (Canadian Cryospheric Information Network/Polar Data Catalogue)

Gabrielle Alix (Canadian Cryospheric Information Network/Polar Data Catalogue)

**About:** Data management is a looming requirement in several nations around the world. Most, if not all, researchers are familiar with this eventuality, but many do not know how to best react to it. CCIN/PDC has worked closely with the Polar data community in Canada, and internationally, to develop guidelines based on stakeholder feedback as well as implementing data archiving for a number of Canadian national programs, including ArcticNet, and so we are well positioned to help others understand and implement them effectively. This presentation will help students and researchers understand why data management is important, what the best practices are, how best to undertake it, as well as address concerns the community has.

9:15 AM – 10:00 AM

## Workshop

ROOM 210

### COMMUNITY COLLABORATIONS AND ENGAGEMENT WITH RESEARCH

Mia Otokiak (Youth Mentor for the Ikaarvik: Barriers to Bridges program)

Dr. Lisa Loseto (DFO)

Natasha Simonee (Former Mittimatalik HTO Manager and Pond Inlet, Nunavut Community Member) Marissa Mills (uOttawa student and Kluane First Nation (Burwash Landing, Yukon) Community Member)

**About:** Engagement with Indigenous communities is an important part of many Arctic research projects, but that there is very little training offered for early career researchers (ECRs) on how to conduct these types of activities. This workshop will follow the panel and aims to provide some hands-on learning for ECRs on how to develop community engagement during their research projects. The students will be provided with scenarios and will work in groups supervised by an expert to come up with engagement strategies. We hope that the students will come away with some ideas that they can implement in their current or future projects.

9:15 AM – 10:00 AM

Presentation

ROOM 212

**AUTHORSHIP AND PEER-REVIEW: PUBLISHING, REJECTION, and SUCCESS**

Dr. Greg Henry (University of British Columbia)

Matthew Sanscartier (Carleton University)

**About:** The process of publishing papers can be intimidating for early career researchers. Many questions and concerns may arise about submitting manuscripts and the peer-review process. Come to this workshop to learn and talk about: What type of work gets you authorship, how to choose who is an author on a paper, how the peer-review process works, how to deal with rejection, how to be a good reviewer, open-access journals, and more!

10:00 AM – 10:30 AM

Break

10:30 AM – 11:15 AM

Presentation

OTTAWA SALON

**STUDENTS ON ICE: THE POLAR CLASSROOM**

Caitlyn Baikie (SOI Arctic Youth and Partnership Program Manager)

**About:** Students on Ice is an award-winning organization offering unique educational expeditions to the Arctic and the Antarctic. Our mandate is to educate the world's youth about the importance of the Polar Regions, support their continued growth and inspire and catalyze initiatives that contribute to global sustainability. During this session, you will learn about experiential education pedagogies and why the Arctic is the greatest classroom on Earth. We have developed our approach over the years that respectfully engages Inuit youth, community members, and organizations to develop and deliver life changing expeditions for youth from a diverse set of backgrounds.

10:30 AM – 11:15 AM

Presentation

ROOM 210

**TOOLS IN ARCTIC RESEARCH: SATELLITES, UAVS, and SHIPS**

Eleanor Bash (University of Calgary)

Dr. Louis Fortier (Université Laval)

Dr. Robert Fraser (Natural Resources Canada)

**About:** Research in the Arctic can be limited by its remoteness and its harshness. Some areas of the Arctic are very hard to study, either because they are impossible or difficult to reach, or because of the cost of reaching them. Scientists therefore use tools to allow them to study different aspects of the Arctic landscape. Learn more about how satellites, planes, drones and ships are used to study the Arctic.

10:30 AM - 11:15 AM

Presentation

ROOM 212

#SOCIALMEDIA and #YOURRESEARCH

Jean Holloway (University of Ottawa)

Shannon MacPhee (Fisheries and Oceans Canada; Beaufort Sea Beluga)

Dr. Isla Myers-Smith (University of Edinburgh; Team Shrub)

**About:** Science communication is about sharing scientific research online with other scientists and the public, and social media represent an efficient and easy platform for scientists to communicate their research and gain attention. Social media can also be used in other ways for science; it is a great resource for researchers to learn about studies and opportunities related to their field of interest, and, in the context of Arctic research, it can be a useful tool to connect with northern community members. This workshop is an opportunity to learn about different ways of using social media for research.

11:15 AM

Closing Remarks and Award Ceremony

OTTAWA SALON

ASA-APECS MENTOR AWARD AND ELEVATOR PITCH AWARD CEREMONY