

dimanche, 6 juillet 2025

08:00 - 12:00 - Excursion - Parc écoforestier de Johnville	08:00 - 17:00 - Excursion - Parc national du Mont-Mégantic	08:00 - 20:30 - Hall d'entrée Ouverture du bureau d'accueil
08:30 - 17:30 - Lac Stukely/Brompton Atelier - [BIOS2] Data Analysis and Visualization in Python for Ecologists	08:30 - 12:00 - Lac Memphrémagog Atelier - Intro to Git and Github	08:30 - 12:00 - Lac Aylmer Atelier - Intro to Science Communication
09:00 - 12:00 - Rivière Magog Atelier - Interpretable machine learning for species distribution modelling	09:00 - 12:00 - Lac Mégantic Atelier - Panels and bubbles to tell Science: An introduction to science communication through comics	09:00 - 16:00 - Rivière St-François Réunion du conseil
10:00 - 10:30 - Mezzanine Pause café		
10:30 - 12:00 - Rivière Coaticook Atelier - How to get your research published		
12:00 - 13:00 - Mezzanine Dîner		
12:30 - 17:00 - Excursion - Île du marais		
13:00 - 14:30 - Lac Memphrémagog Atelier - Performing Peer Review: A Canadian Science Publishing Workshop	13:00 - 14:30 - Lac Aylmer Atelier - Intro to Storytelling in Science	13:00 - 17:00 - Rivière Magog Atelier - [BIOS2] Introduction to Shiny Apps
13:00 - 15:00 - Lac Mégantic Atelier - Mentoring scientific writing efficiently and effectively		13:00 - 16:30 - Rivière Coaticook Atelier - Data Wrangling 101

14:30 - 15:00 - Mezzanine

Pause café

18:30 - 18:45 - Sherbrooke ABC

Mot d'ouverture

18:45 - 19:30 - Sherbrooke ABC

Plénière par Laura Pollock

19:30 - 21:30 - Sherbrooke ABC

Cérémonie d'ouverture

lundi, 7 juillet 2025

08:00 - 12:00 - Hall d'entré Ouverture du bureau d'accueil		
08:30 - 09:30 - Sherbrooke ABC Plénière - Prix du président pour l'excellence en recherche		
Measuring what Matters: A social-ecological systems ecologist's perspective Elena Bennett ¹ . ¹ McGill University.		
09:30 - 10:00 - Hall devant Sherbrooke ABC + Mezzanine Pause café		
10:00 - 12:00 - Sherbrooke ABC Présentations des récipiendaires de prix (début de carrière)		
10:00 - 11:00 Variability in how and when plants respond to rapidly changing climates Haley Branch ¹ . ¹ Yale University.		
11:00 - 12:00 To be or not to be active: The causes and consequences of activity variation in seasonal environments Emily Studd ¹ . ¹ Thompson Rivers University.		
12:00 - 13:30 - Hall devant Shebrooke ABC Dîner		
12:15 - 13:15 - Sherbrooke A CRSNG Programme de subventions à la découverte : Simulation & Session d'information		
13:30 - 15:00 - Lac Stukely/Brompton Symposium - Leading the Forefront of Statistical Ecology in Canada	13:30 - 15:00 - Lac Mégantic Symposium - Turning over a new leaf: the rapidly growing role of natural history collections in modern biodiversity science	13:30 - 15:00 - Lac Aylmer Symposium - Community ecology and evolution in the phyllosphere in the context of global environmental change
13:30 - 13:45 The Past, Present, and Future of Statistical Ecology in Canada Simon Bonner ¹ . ¹ University of Western Ontario.	13:30 - 13:45 The lasting importance of historical collections in modern biodiversity research Isaac Eckert ¹ . ¹ McGill University.	13:30 - 13:45 How the evolution of plant traits directly and indirectly shapes the leaf microbiome Julia Boyle ^{1, 2} . ¹ University of Toronto, ² University of Michigan.

13:45 - 14:00 Enhancing Aquatic Species Classification: Integration of Prior Knowledge into AI models for Improved Accuracy Sofia Ruiz Suarez¹. ¹University of Toronto.	13:45 - 14:00 New roles and relevance: Update from the National Herbarium of Canada Jennifer Doubt¹. ¹Canadian Museum of Nature.	13:45 - 14:00 Herbivory drives temporary shifts in leaf microbiome composition of tomato through induction of systemic plant defenses and symbiosis-related genes Amélie Allard¹. ¹Université du Québec à Montréal.
14:00 - 14:15 Go big or go home: The need for larger and more sophisticated models to advance biodiversity science Pedro Peres-Neto¹. ¹Concordia University.	14:00 - 14:15 Historical specimens for estimating plant diversity patterns across local and global scales Nina Obiar^{1,2}. ¹McGill University, ²Quebec Centre for Biodiversity Science.	14:00 - 14:15 Specialization between plants and fungal endophytes across landscapes Ryoko Oono¹. ¹University of California, Santa Barbara.
14:15 - 14:30 Improved method to select the number of states in hidden Markov models: a narwhal movement case study. Fanny Dupont¹. ¹University of British Columbia.	14:15 - 14:30 Using natural history collections to analyse collecting efforts in KwaZulu-Natal Province, South Africa: freshwater molluscs as an example Matabaro Ziganira¹. ¹University of KwaZulu-Natal.	14:15 - 14:30 Network stability of phyllosphere bryophyte-diazotrophic communities in tropical fragmented forests Adriel M. Sierra¹. ¹Université Laval.
14:30 - 14:45 Unraveling life-history tactics with mixture models Sandra Hamel¹. ¹Université Laval.	14:30 - 14:45 Spectral barcoding of herbarium specimens outperforms genetic barcodes in a challenging plant group Étienne Lèveillé-Bourret¹. ¹Université de Montréal (IRBV).	14:30 - 14:45 Climate variability undermines mutualism-driven increases in population persistence Vicki Li¹. ¹Department of Biology, University of Miami.
14:45 - 15:00 Integrating citizen science and telemetry data to model bird migration Noudehouenou Freedich Madjid Houessou¹. ¹Université de Sherbrooke.	14:45 - 15:00 Harnessing herbarium collections to monitor genetic change in Earth's vascular plants Olivia Rahn^{1,2}. ¹McGill University, ²Quebec Centre for Biodiversity Science.	14:45 - 15:00 Plant mediation of a key abiotic factor in the phyllosphere microecosystem Kadeem Gilbert¹. ¹Michigan State University.
13:30 - 14:45 - Sherbrooke B Présentations orales - Écologie des changements climatiques	13:30 - 15:00 - Lac Memphrémagog Présentations orales - Écologie évolutive	13:30 - 15:00 - Sherbrooke C Présentations orales - Mammifères marins
13:30 - 13:45 Direct and indirect effects of functional traits on the performance of insect herbivores under climate change Jessica Guezen¹. ¹University of Guelph.	13:30 - 13:45 Natural Selection for Genetic Resistance to Domestic Anticoagulant Rodenticides in Ontario's House mice Luigi Richardson¹. ¹Laurentian University.	13:30 - 13:45 Scaled Mass Index Derived from Aerial Photogrammetry Not Correlated with Female St. Lawrence Estuary Beluga Reproductive Status Meredith Sherrill¹. ¹Université du Québec à Montréal.

13:45 - 14:00 The effect of temperature on the rate of range expansion Kayley Breslin¹. ¹University of Guelph.	13:45 - 14:00 Genetic architecture of resistance to mixed strongyle infections in a feral horse population Sangwook Ahn¹. ¹Faculty of Veterinary Medicine, University of Calgary.	13:45 - 14:00 Behaviourally sound ? An experimental study on the effects of 69kHz acoustic telemetry on pinniped survival and behaviour in the wild Alymuhammad I. IRANI^{1, 2}. ¹Université de Sherbrooke, ²Fisheries and Oceans Canada.
14:00 - 14:15 Novel perspective, limits, and uncertainties concerning gene flow assisted migration based on climate analogues applied to tree species of the northern temperate forest of eastern Québec, Canada Benjamin Marquis¹. ¹Université Laval.	14:00 - 14:15 Why do burying beetles bury? Evolution of complex parental care in an insect Erin Bolger¹. ¹Queen's University.	14:00 - 14:15 Vocal & local: spatial structure and call variation in St. Lawrence belugas Jaclyn Aubin¹. ¹University of Windsor.
14:15 - 14:30 El Niño Variability contributes to climate change-driven declines in terrestrial vertebrates Matthew Watson¹. ¹University of Ottawa.	14:15 - 14:30 Patterns of genetic structure in colonially breeding red-breasted mergansers (<i>Mergus serrator</i>) Emily Burt¹. ¹McGill University.	14:15 - 14:30 Classification of Bering-Chukchi-Beaufort Bowhead Whale (<i>Baleana mysticetus</i>) social calls Alexander Hare^{1, 2}. ¹University of Victoria, ²WCS Canada.
14:30 - 14:45 Dispersal rate slows species' range expansion rate when it is slower than climate change Nikki A. Moore¹. ¹McGill University.	14:30 - 14:45 Fitness is heritable and negatively genetically correlated between the sexes in yellow-bellied marmots Michela Dumas¹. ¹University of Ottawa.	14:30 - 14:45 Telomere dynamics of grey seals (<i>Halichoerus grypus</i>) on Sable Island, Nova Scotia: a long-lived marine mammal population Liam Carter¹. ¹University of Western Ontario.
	14:45 - 15:00 Pheromone variation doesn't reflect deep genetic divergence in a broadly distributed forest insect Stephen Heard¹. ¹University of New Brunswick.	14:45 - 15:00 Forecasting genetic adaptability of Arctic and sub-Arctic whales in future climates Evelien de Greef¹. ¹University of Manitoba.
13:45 - 15:00 - Sherbrooke A Présentations orales - Mammalogie		
13:45 - 14:00 Vulnerable caribou and a broadly applicable framework for applying behavioural ecology towards intraspecific conservation units. Margaret Hughes¹. ¹Biological Sciences, University of Calgary, Calgary, AB, Canada.		
14:00 - 14:15 Using behaviour to define seasons: results from two northern Ontario caribou ecotypes Rachael Derbyshire¹. ¹University of Guelph.		
14:15 - 14:30 The overwinter forage requirements of caribou Patrick Lauriault¹. ¹University of Waterloo.		

14:30 - 14:45 **Caribouffet: Scale-dependent variation in nutrient across common forage species for caribou** [Éloïse Lessard](#)¹.

¹Memorial University of Newfoundland.

14:45 - 15:00 **Fire history shapes habitat selection of muskoxen in boreal forests: Implications for coexistence with caribou**

[Nick Luymes](#)¹. ¹Wilfrid Laurier University.

15:00 - 15:30 - Hall devant Sherbrooke ABC + Mezzanine

Pause café

15:30 - 17:15 - Sherbrooke A Présentations orales - Mammalogie	15:30 - 17:30 - Lac Stukely/Brompton Présentations orales - Limnologie	15:30 - 17:30 - Lac Mégantic Présentations orales - Écologie évolutive	15:30 - 17:30 - Lac Aylmer Symposium - Studying the city on a different scale: how insects and microbes can offer us new perspectives
15:30 - 15:45 Who feels the heat? Temperature exposure mediates climate-driven body mass change in northern mammals Olivia Leach ¹ . ¹ Memorial University.	15:30 - 15:45 Impact of road culverts on emergent aquatic insects as an ecosystem subsidy in small forested streams Mateusz-Eugenio Babinski ¹ . ¹ Université du Québec à Trois-Rivières.	15:30 - 15:45 Modelling resistance evolution conferred by gene copy number variation with non-Mendelian inheritance Tamy Puniani ¹ . ¹ Queen's University.	15:30 - 15:45 Small urban taxa and metagenomics: new perspectives on biodiversity Jérémy Fraysse ¹ . ¹ UQAM.
15:45 - 16:00 Losing it: variation of hair loss in moose infested by winter ticks Florent Déry ^{1,2} . ¹ Département de Biologie, Université Laval, Québec, QC, Canada, ² Centre d'études de la forêt.	15:45 - 16:00 Predator-prey interaction drives biomass pyramid changes after habitat disturbance in freshwater fish communities Ntsoa Razafimahefa ¹ . ¹ Université du Québec en Outaouais.	15:45 - 16:00 The effect of geography and EPSPS copy number variation on flowering phenology of <i>Amaranthus palmeri</i> Charlotte Ngo ¹ . ¹ Queen's University.	15:45 - 16:00 Herbivorous Insects and Biodiversity Infrastructure: Insights from Urban Ecosystems Ana Livia Oliveira ¹ . ¹ Concordia University.
16:00 - 16:15 Effects of snow cover duration on winter survival and neonatal survival in bighorn sheep (<i>Ovis canadensis</i>). Kallan Crémel ¹ . ¹ Université de Sherbrooke.	16:00 - 16:15 Examining the long-term effects of upstream timber harvesting on freshwater biodiversity in Quebec. Felix Chan ¹ . ¹ Carleton University.	16:00 - 16:15 The impact of environmental heterogeneity in a complexe metapopulation structure on the spread of beneficial mutations Leylia Petryk ¹ . ¹ McGill University.	16:00 - 16:15 Planning and managing urban green infrastructures to favour soil arthropods I. Tanya Handa ¹ . ¹ Université du Québec à Montréal.

16:15 - 16:30 Red squirrel gestation length is unchanged by maternal traits, litter composition, or future food availability Naomi Brunner¹. ¹University of Calgary.	16:15 - 16:30 Longitudinal Effects of Urbanization on River Ecosystem Functioning: Louis-Philippe Beauchamp¹. ¹Université du Québec à Trois-Rivières.	16:15 - 16:30 The Effect of Seed Size on Expression of Maternal Effects Melissa Labelle¹. ¹Carleton University.	16:15 - 16:30 Towards evidence-based solutions for wild pollinator conservation in Montreal Carly Ziter¹. ¹Concordia University.
16:30 - 16:45 Measuring inbreeding in Rocky Mountain bighorn sheep (<i>Ovis canadensis canadensis</i>) using pedigree and genomic data Carson Mitchell¹. ¹Western University.	16:30 - 16:45 Time-lagged responses of freshwater bioindicators to water pollution events across Canada Cindy Gao¹. ¹McGill University.	16:30 - 16:45 Fitness consequences of divergent selection on clonal reproduction in a perennial plant Kaitlyn Dawson¹. ¹Queen's University.	16:30 - 16:45 The effect of tree origin on insect abundance and diversity Michelle Tseng¹. ¹University of British Columbia.
16:45 - 17:00 Long term genomic consequences of genetic rescue in a small, inbred population of bighorn sheep Tommy Galfano¹. ¹University of Western Ontario.	16:45 - 17:00 Declining ice duration and changing ice quality drive key ecological changes in Wisconsin lakes Phoenix Sandrock¹. ¹York University.	16:45 - 17:00 Evolutionary shifts in competitive fitness of <i>Candida albicans</i> under drug exposure Aruni Sumanarathne¹. ¹University of Manitoba.	16:45 - 17:00 Wild Bee Microbiomes: Shifts in Microbial and Plant Associations Across Bee Families, Functional Groups, and Urban Environments Katherine Chau¹. ¹York University.
17:00 - 17:15 Climate change, age acceleration, and the erosion of fitness in polar bears Levi Newediuk¹. ¹Department of Biological Sciences, University of Manitoba.	17:00 - 17:15 Thermorégulation comportementale et mouvements à fine échelle de l'omble de fontaine lacustre : influence de la température sur les incursions dans l'épilimnion Aliénor Stahl^{1, 2, 3}. ¹UQTR, ²RIVE, ³GRIL.	17:00 - 17:15 Pollination specialists can match the diversification rates of generalists on island ecosystems Simon Joly¹. ¹Montreal Botanical Garden.	17:00 - 17:30 Bacteria, bugs, and bees oh my! The role of cities in shaping communities and species interactions Marc Johnson¹. ¹University of Toronto Mississauga.
	17:15 - 17:30 Projecting lake ice quality under climate change: Shifts in black ice and white ice thickness of 1.12 million Northern Hemispheric lakes Aman Basu¹. ¹York University.	17:15 - 17:30 The Second Science: Evolutionary systems and the diversity of life and culture in the Anthropocene Mark Vellend¹. ¹Université de Sherbrooke.	

15:30 - 17:30 - Sherbrooke B Présentations orales - Écologie urbaine	15:30 - 17:15 - Lac Memphrémagog Présentations orales - Modélisation et échantillonnage	15:30 - 17:30 - Sherbrooke C Présentations orales - Écologie des plantes
15:30 - 15:45 Conservation outcomes of temporary road closures for bird and mammal diversity in an urban park <u>Millicent Gaston</u> ¹ . ¹ Carleton University.	15:30 - 15:45 Shape-constrained curves for functional responses <u>Benjamin Bolker</u> ¹ . ¹ McMaster University.	15:30 - 15:45 Effects of climate on the survival and fates of subarctic plant invaders <u>Candace Ma</u> ¹ . ¹ University of Toronto.
15:45 - 16:00 Evaluating the Efficacy of Treated Windows to Reduce Bird-Window Collisions in Ottawa <u>Stasha Lysyk</u> ¹ . ¹ Carleton University.	15:45 - 16:00 Habitat introduces location error bias in miniaturized GPS bio-loggers <u>Bryan Hughes</u> ¹ . ¹ McGill University.	15:45 - 16:00 Testing for local adaptation in range-edge populations of an at-risk plant <u>Cameron So</u> ^{1, 2} . ¹ McGill University, ² Québec Centre for Biodiversity Science.
16:00 - 16:15 Aquatic Insect Emergence in Urban Wetlands: Implications for Insectivorous Birds and Bats <u>Thamarasi Aththanayaka</u> ¹ . ¹ Department of Biology, University of New Brunswick.	16:00 - 16:15 Exploring large-scale diagnostic application of structural and functional metrics using morphological and eDNA samples <u>Wendy Monk</u> ¹ . ¹ Environment and Climate Change Canada @ University of New Brunswick.	16:00 - 16:15 How do we measure the shade tolerance potential of herbaceous plants? <u>Kelly Balfour</u> ¹ . ¹ Queen's University.
16:15 - 16:30 Urban cardinals on the go! Movements of the Northern cardinal across urban green spaces in winter. <u>Anne-Marie Cousineau</u> ¹ . ¹ McGill University.	16:15 - 16:30 Toward a unified approach to modeling adaptation among demographers and evolutionary ecologists <u>Joanie Van de Walle</u> ¹ . ¹ Department of Fisheries and Oceans Canada.	16:15 - 16:30 Variance versus timing: how to evaluate night warming effects to plants <u>Debora Andrade-Pereira</u> ¹ . ¹ University of Waterloo.
16:30 - 16:45 What predicts the occurrence of birds in cities? <u>Paul Preston</u> ¹ . ¹ Queen's University.	16:30 - 16:45 Emerging priorities in bioacoustics research and applications from a global bioacoustics horizon scan <u>Dan Mennill</u> ¹ . ¹ University of Windsor.	16:30 - 16:45 Caragana arborescens in Canada's southern boreal region: An Assessment of Invasiveness <u>Martin Hinojosa</u> ¹ . ¹ University of Alberta.
16:45 - 17:00 Untangling the Relationship of Neuroanatomy and Urban Tolerance in North American Birds <u>Allen Chochinov</u> ¹ . ¹ Queen's University.	16:45 - 17:00 Resolving key challenges in selecting and interpreting spatial predictors for ecological and evolutionary analyses <u>Paul Savary</u> ¹ . ¹ Université Marie et Louis Pasteur, CNRS, ThéMA, F-25000 Besançon, France.	16:45 - 17:00 Limits to plant invasions at the edge of the Canadian Arctic <u>Vicki Mengyuan Zhang</u> ¹ . ¹ University of Toronto.

17:00 - 17:15 Vaccination and immigration rates influence rabies elimination and re-colonization in simulated urban landscapes <u>Emily Beasley</u>¹. ¹Universite de Montreal.	17:00 - 17:15 Hit me with your best tag: A review and phylogenetically controlled meta-analysis of biologging device effects on birds <u>Marianne Gousy-Leblanc</u>¹. ¹McGill University.	17:00 - 17:15 Resilience under fire: investigating tree topkill of Australian resprouting Eucalypt forests in response to unprecedented drought and megafires <u>Simin Ramani</u>¹. ¹Western Sydney University.
17:15 - 17:30 Bite force variation in urban and non-urban Darwin's finches <u>Kiyoko Gotanda</u>¹. ¹Brock University.		17:15 - 17:30 Grazing-Induced Shifts in Plant Communities and Ecosystem Function in a Commercially thinned Lodgepole Pine Silvopasture <u>Ghassen Chaieb</u>¹. ¹Thompson Rivers University.
19:00 - 20:30 - Sherbrooke ABC Pleni�re publique de Jade Savage (en fran�ais)		

08:00 - 12:00 - Hall d'entré Ouverture du bureau d'accueil			
08:30 - 09:30 - Sherbrooke ABC Plenièrè - Prix du président pour l'engagement sociétal par Maydianne Andrade			
09:30 - 10:00 - Hall devant Sherbrooke ABC + Mezzanine Pause café			
10:00 - 12:00 - Lac Mégantic Symposium - Relations between habitat characteristics and individual phenotype: habitat as an extended phenotype (Part 1)	10:00 - 12:00 - Lac Stukely/Brompton Symposium - What's past and what's to come in Computational Biodiversity Science and Services (Part 1)	10:00 - 12:00 - Lac Aylmer Symposium - Factoring in plant-microbe interactions: from temperate to boreal ecosystems (Part 1)	10:00 - 12:00 - Sherbrooke B Présentations des récipiendaires de prix (excellence au doctorat)
10:00 - 10:15 Studying the coexistence of phenotypic plasticity, habitat choice, or niche construction within natural populations <u>Denis REALE</u> ¹ . ¹ UQAM.	10:00 - 10:15 It takes a village to nurture the future of biodiversity research <u>Andrew MacDonald</u> ^{1, 2, 3} , <u>Kim Gauthier Schampaert</u> ^{1, 2} , <u>Gracielle Higino</u> ² . ¹ Université de Sherbrooke, ² BIOS2 - Computational Biodiversity Science and Services, ³ CSBQ - Centre de la science de la biodiversité du Québec.	10:00 - 10:15 How useful are plant phenotypes in explaining their microbiome assembly? <u>Geneviève Lajoie</u> ¹ . ¹ Institut national de la recherche scientifique.	10:00 - 10:30 Insect pollinators in urban landscapes: Impacts of city design and management on species abundance and occurrence <u>Jens Ulrich</u> ¹ . ¹ University of British Columbia.
10:15 - 10:30 Going beyond habitat selection: an analytical perspective of considering habitat as a trait <u>Julien Martin</u> ¹ . ¹ University of Ottawa.	10:15 - 10:30 Spatially explicit predictions of food web structure from regional- level data <u>Gabriel Dansereau</u> ^{1, 2} . ¹ Université de Montréal, ² Computational Biodiversity Science and Services (BIOS2).	10:15 - 10:30 Understanding the causality of relationships between leaf- associated microbial diversity and host plant productivity <u>Steven Kembel</u> ¹ . ¹ UQAM.	10:30 - 11:00 The growth and productivity of fishes through space and time <u>Helen Yan</u> ¹ . ¹ James Cook University.

10:30 - 10:45 When animals get the "ick": Host behavioural phenotypes and the landscape of disgust Allegra Love¹. ¹University of Guelph.	10:30 - 10:45 Levelling up: How to unlock ecological data with hierarchical models Katherine Hébert^{1, 2}, Camille Lévesque^{2, 3}. ¹McGill University, ²Computational Biodiversity Science and Services (BIOS2), ³Université de Sherbrooke.	10:30 - 10:45 The Impact of Environmental Stress and Keystone Microbes on Microbiome Communities Amanda Rawstern¹. ¹University of Miami.	11:00 - 11:30 Salmon and sovereignty: Lessons from co-producing research Jaime Grimm¹. ¹University of Toronto.
10:45 - 11:00 Within and among individual differences in habitat selection across environmental gradients: examples from movement ecology Eric Vander Wal¹. ¹Memorial University.	10:45 - 11:00 The impact of urbanization on the spatial dynamics of the phyllosphere microbial community of common milkweed Mobina Gholamhosseini^{1, 2}. ¹Universite de Montreal, IRBV, ²Computational Biodiversity Science and Services (BIOS2).	10:45 - 11:00 A Model to Explain Mutualism Variation with Minimal Functional Trait Difference Abdel Halloway¹. ¹Case Western Reserve University.	11:30 - 12:00 From science to application: Operationalizing ecological networks for biodiversity monitoring and conservation Gabriel Dansereau¹. ¹Université de Montréal.
11:00 - 11:15 Wintering wisely : Investigating the key factors explaining winter habitat selection of migratory caribou. Anthony Asselin^{1, 2, 3}. ¹Département de biologie, Université Laval, ²Caribou Ungava, ³Centre d'Études Nordiques.	11:00 - 11:15 Towards a maximum entropy theory of food webs Francis Banville^{1, 2}. ¹Université de Montréal, ²Computational Biodiversity Science and Services (BIOS2).	11:00 - 11:15 How microbial communities shape the growth of sugar maple from temperate to boreal forests. Morgane Enea¹. ¹Université de Sherbrooke.	
11:15 - 11:30 Robin Hoods of the boreal forest: seasonal nitrogen transport by woodland caribou Jack Hendrix¹. ¹Memorial University of Newfoundland and Labrador.	11:15 - 11:30 Spatial signatures of group cohesion Nicola Love¹. ¹University of British Columbia.	11:15 - 11:30 Does dominant forest mycorrhizal type impact below ground fungal community assembly? Insights from the temperate forests of Québec Jacob Beauregard¹. ¹Université de Sherbrooke.	

11:30 - 11:45 Anthropogenic effects on sex-specific behavior in Scandinavian Brown Bears Fanie Pelletier ¹ . ¹ Université de Sherbrooke.	11:30 - 11:45 Incorporating scale dependence to habitat heterogeneity in managed forests: A bird species richness case study Isabelle Lebeuf-Taylor ¹ . ¹ University of Alberta.	11:30 - 11:45 Soil as an agent of range limitation for the at-risk plant sundial lupine Simon Petley ¹ . ¹ McGill University.	
11:45 - 12:00 3D shell asymmetry as a monitoring tool for environmental stress in India's freshwater turtles Merin Joji ¹ . ¹ University of Copenhagen.	11:45 - 12:00 Correlates of climate change resistance of Key Biodiversity Areas in Canada Varina Crisfield ¹ . ¹ Université de Sherbrooke.	11:45 - 12:00 Bryophyte-microbe association drive nitrogen fixation in the boreal-temperate ecotone Mélanie Jean ¹ . ¹ Université de Moncton.	
10:00 - 11:45 - Rivière St-François Présentations orales - Écologie aviaire	10:00 - 12:00 - Rivière Magog Présentations orales - Écologie des forêts	10:00 - 12:00 - Lac Memphrémagog Présentations orales - Écologie évolutive	10:00 - 12:00 - Sherbrooke C Présentations orales - Écologie marine
10:00 - 10:15 Quantifying effects of light wavelength on attraction of Leach's storm-petrels (Hydrobates leucorhous) Linda Hutchinson ¹ . ¹ Biology, Acadia University, Wolfville, Nova Scotia.	10:00 - 10:15 Managing Forest Succession in Beech Bark Disease-Affected Central Hardwood Forests Mark Givelas ¹ . ¹ University of Toronto Scarborough.	10:00 - 10:15 The potential for evolutionary conflict over what mothers eat Jennifer Perry ¹ . ¹ St. Francis Xavier University.	10:00 - 10:15 Two-Eyed Seeing Case Study: Inuit Way of Knowing and Marine Ecology Chilyn Fenton-Stickle ¹ . ¹ University of Toronto Mississauga.
10:15 - 10:30 Does Seabird Diet and Interactions with Human Landscapes Explain Pathogen Prevalence? A Systematic Review Shabnam Shadloo ¹ . ¹ University of British Columbia.	10:15 - 10:30 Physiological Costs of Altered Hydrothermal Conditions in Harvested Forests Melissa Henderson ¹ . ¹ Lakehead University.	10:15 - 10:30 Repeatability in highly variable environments: Selection dynamics of stickleback populations MK Hickox ¹ . ¹ McGill University.	10:15 - 10:30 KELP FORESTS LOSSES and RESTORATION PATHWAYS: INSIGHTS FROM THE KELP RESCUE INITIATIVE'S FIRST 3 YEARS Julia Baum ¹ . ¹ University of Victoria.
10:30 - 10:45 What's all the Buzz About? Habitat Use Overlap in Bats and Aerial Insectivore Birds Natalie Emerick ¹ . ¹ University of Windsor.	10:30 - 10:45 Anthropogenic impacts and context specificity improve predictability of secondary forest regrowth in Brazil Ana Catarina Avila ¹ . ¹ McGill University.	10:30 - 10:45 Terminal reproductive investment in male Eastern Gray Treefrogs (Dryophytes versicolor, Anura: Hylidae) is a marathon not a sprint Adam Algar ¹ . ¹ Lakehead University.	10:30 - 10:45 Species range shifts and marine conservation in Canada Jake Lawlor ¹ . ¹ mcgill university.

10:45 - 11:00 Changing vertical substrate colour to reduce seabird collisions associated with artificial light Alina Rutherford¹. ¹Acadia University.	10:45 - 11:00 Trees on the move: How local adaptations can fortify our forests Carissa Brown¹. ¹Memorial University of Newfoundland.	10:45 - 11:00 Do common trade-offs constrain adaptations to climate challenge and competition? Brendan Sheppard¹. ¹Queen's University.	10:45 - 11:00 Gambling on grazers: investigating host-microbe symbioses in a changing ocean Laura Lardinois¹. ¹McGill University.
11:00 - 11:15 Microplastics in Red Knot, Semipalmated Sandpiper, and Piping Plover prey, feces, and habitats throughout the Atlantic Flyway Erin MacMillan¹. ¹Department of Biology, Mount Allison University, Sackville, New Brunswick, Canada.	11:00 - 11:15 Modeling landscape-level mortality due to spruce budworm outbreaks in a changing climate. Rindra Ranaivomanana¹. ¹UQAM.	11:00 - 11:15 Which phenotypic traits are under selection under warm, dry climates in black spruce? Julie Messier¹. ¹University of Waterloo.	11:00 - 11:15 Marine fish assemblages are being colonized by warm-affinity distant relatives Philippe Fernandez-Fournier¹. ¹Simon Fraser University.
11:15 - 11:30 Automated detection of wildlife using multi-source aerial sensors: a case study for the Great Blue Heron (<i>Ardea herodias</i>) conservation Camille Dionne-Pierre^{1, 2}. ¹Université de Sherbrooke, ²Centre de la science de la biodiversité du Québec.	11:15 - 11:30 Seeing the trees for the forest: Black ash demographic niches and herbivory on Newfoundland Amy Frost-Wicks¹. ¹Memorial University of Newfoundland and Labrador.	11:15 - 11:30 Cooperation, Conflict and Colonization of the <i>Daphnia pulex</i> mitochondrial DNA with its nuclear DNA Jigar Trivedi¹. ¹McGill.	11:15 - 11:30 Multiple drivers of change on Bahamian coral reefs Iris George¹. ¹Concordia University.
11:30 - 11:45 Spatial Movement, Memory, and Environmental Contaminants in Ring-Billed Gulls Stefan Stanescu^{1, 2}. ¹McGill, ²UQAM.	11:30 - 11:45 Identifying Local Environmental Adaptation in Jack Pine (<i>Pinus banksiana</i>) to inform Predictions of Maladaptation under Future Climate Conditions Grace Gardner¹. ¹Carleton University.	11:30 - 11:45 Rapid evolution of rare threespine stickleback populations in response to human disturbances Sarah Sanderson¹. ¹McGill University.	11:30 - 11:45 CODTYPES - Mechanisms maintaining genetically distinct cod ecotypes in a hybrid zone Simon Henriksson¹. ¹University of Gothenburg.
	11:45 - 12:00 Tree competition in West African tropical forests: The roles of wood density, neighbour identity and water availability Forzia Ibrahim¹. ¹Czech University of Life Sciences.	11:45 - 12:00 Intra-specific diversity of stickleback: ecological consequences and rapid evolution Andrew Hendry¹. ¹McGill University.	11:45 - 12:00 Climate change facilitates marine invasions: a global meta-analysis Nicola Smith¹. ¹Concordia University.

10:00 - 12:00 - Rivière Coaticook Présentations orales - Écologie urbaine	10:00 - 11:45 - Sherbrooke A Présentations orales - Limnologie
10:00 - 10:15 The role of reproductive traits in structuring urban plant communities Stephanie Rives ^{1, 2, 3} . ¹ Université de Montréal, ² Institut de Recherche en Biologie Végétale, ³ Jardin Botanique de Montréal.	10:00 - 10:15 Phylogeography of Burbot (<i>Lota lota</i>) in Eastern North America Esme Macpherson ¹ . ¹ University of Toronto.
10:15 - 10:30 Planting strategy, landscape context and monitoring design drive urban forest restoration outcomes Menilek Beyene ¹ . ¹ University of Toronto Scarborough.	10:15 - 10:30 Genomic diversity of Banded Killifish (<i>Fundulus diaphanus</i>) in Eastern North America Katherine Haché ¹ . ¹ Dalhousie University.
10:30 - 10:45 How to optimize the urban forest to maximize cooling: the impact of urban form Johanna Arnet ¹ . ¹ Université du Québec à Montréal.	10:30 - 10:45 Biomonitoring with eDNA: can metabarcoding replace conventional macroinvertebrate sampling? Andrea Bresolin ¹ . ¹ Carleton University.
10:45 - 11:00 Examining the effect of tree species selection and planting context on urban soil mesofaunal communities Nat Kennedy ^{1, 2, 3} . ¹ Université de Québec à Montréal, ² Quebec Centre for Biodiversity Science, ³ Centre d'étude de la forêt.	10:45 - 11:00 How do females grow bigger? The bioenergetics of sexual size dimorphism in a freshwater predator Graham Raby ¹ . ¹ Trent University.
11:00 - 11:15 Investigating natural selection on flower morphology across an urbanization gradient in <i>Impatiens capensis</i> Jérôme Burkiewicz ^{1, 2} . ¹ Université de Montréal, ² Institut de Recherche en Biologie Végétale.	11:00 - 11:15 Effects of paired environmental stressors on predator and prey behaviors in a freshwater mesocosm Alix Brusseau ¹ . ¹ Concordia University.
11:15 - 11:30 Résistance au stress hydrique en milieu urbain chez sept espèces d'érables Elyse Malleret ¹ . ¹ Université du Québec à Trois-Rivières.	11:15 - 11:30 Understanding freshwater biodiversity recovery over time in response to timber harvesting in boreal and temperate forests Sebastian Blanchett ¹ . ¹ Carleton University.
11:30 - 11:45 Green alleys in Quebec provide variable biodiversity support and ecosystem services Isabella C Richmond ¹ . ¹ Concordia University.	11:30 - 11:45 An evidence map of research assessing the effects of timber harvesting on water quality and aquatic biodiversity Dalal Hanna ¹ . ¹ Carleton University.
11:45 - 12:00 Assessing tree diversity and abundance across the island of Montreal Emma Bacon ¹ . ¹ Concordia University.	
12:00 - 13:30 - Hall devant Shebrooke ABC Dîner	

12:15 - 13:15 - Sherbrooke A Aperçu des programmes de bourses et de subventions du CRSNG
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13:30 - 14:30 - Lac Mégantic Symposium - Relations between habitat characteristics and individual phenotype: habitat as an extended phenotype (Part 2)	13:30 - 15:00 - Lac Stukely/Brompton Symposium - What's past and what's to come in Computational Biodiversity Science and Services (Part 2)	13:30 - 14:30 - Lac Aylmer Symposium - Factoring in plant-microbe interactions: from temperate to boreal ecosystems (Part 2)	13:30 - 15:00 - Rivière St-François Présentations orales - Réseaux trophiques
13:30 - 13:45 Bound together: density-dependent social tethers inhibit fitness <u>Jillian Kusch</u> ¹ . ¹ Memorial University of Newfoundland and Labrador.	13:30 - 13:45 Prospects and limits of computational thinking in biology <u>William Ou</u> ¹ . ¹ University of British Columbia.	13:30 - 13:45 Tipping the plant-microbe competition for nitrogen in agricultural soils <u>Etienne Yergeau</u> ¹ . ¹ Institut national de la recherche scientifique.	13:30 - 13:45 Pollinator importance of a specialist oil bee, <i>Macropis nuda</i>, versus other generalist visitors to a New Brunswick population of <i>Lysimachia terrestris</i> <u>Jada Ripley</u> ¹ . ¹ Mount Allison University.
13:45 - 14:00 Drought-induced reductions in large mammal fitness and habitat suitability <u>Martin Leclerc</u> ¹ . ¹ Université du Québec à Chicoutimi.	13:45 - 14:00 More Than 1s and 0s: Where Your Model Runs and Why It Matters <u>Felipe Pérez-Jvostov</u> ¹ . ¹ Digital Research Alliance of Canada.	13:45 - 14:00 Microbial drivers of plant invasion across the Canadian Great Plains <u>Jon Bennett</u> ¹ . ¹ University of Saskatchewan.	13:45 - 14:00 Establishing a model system to study gall insect-plant interactions with <i>Contarinia nasturtii</i> and <i>Arabidopsis thaliana</i> <u>Carina Lopez</u> ¹ . ¹ Department of Agricultural, Food & Nutritional Science, University of Alberta.
14:00 - 14:15 Svalbard reindeer (<i>Rangifer tarandus platyrhynchus</i>) dispersal under climate change <u>Maud Therrien</u> ¹ . ¹ Guelph University.	14:00 - 15:00 The fast evolution of quantitative training in biodiversity science <u>Dominique Gravel</u> ¹ . ¹ Université de Sherbrooke.	14:00 - 14:15 Aromatic plants decrease nest bacterial diversity and improve nestling condition in Corsican blue tits <u>Hélène Dion-Phénix</u> ¹ . ¹ Département des sciences biologiques, Université du Québec à Montréal, Montréal, Québec, Canada.	14:00 - 14:15 The role of resource matching in determining community structure in a plant-arthropod system <u>James Shyan-Tau Wu</u> ¹ . ¹ University of Toronto.

14:15 - 14:30 Both evolutionary history and life experience shape caribou responses to risk along a disturbance gradient Martin-Hugues St-Laurent¹. ¹Université du Québec à Rimouski.		14:15 - 14:30 Gene family expansions drive context-dependency in an ancient plant-fungal symbiosis. Damian Hernandez^{1, 2}. ¹University of Toronto, ²Vrije Universiteit Amsterdam.	14:15 - 14:30 Linking plant genomic variation to plant-herbivore interactions Cintia Beatriz Pérez López¹. ¹Département de biologie, Faculté des sciences, Université de Sherbrooke, 2500 boul. de l'Université, Sherbrooke, J1K 2R1, Canada.
			14:30 - 14:45 Evolution is slower and less predictable in more complex experimental food webs Matthew Barbour¹. ¹Université de Sherbrooke.
			14:45 - 15:00 Empirical test of preference metrics reveals that insect-flower preferences emerge in favour of abundant plants, but not because they are abundant Rachel Pizante¹. ¹university of alberta.
13:30 - 15:00 - Rivière Magog Présentations orales - Écologie des plantes	13:30 - 15:00 - Lac Memphrémagog Symposium - Arctic and alpine tundra ecosystems in transition	13:30 - 15:00 - Rivière Coaticook Présentations orales - Écologie marine	13:30 - 15:00 - Sherbrooke A Présentations orales - Mammalogie
13:30 - 13:45 Plant community structure and production in a temperate grassland: which is the more important control - soil moisture or nutrient availability? Kira Henders¹. ¹Queen's University.	13:30 - 13:45 Vegetation-permafrost interplay in a warming Arctic Esther Lévesque¹. ¹UQTR.	13:30 - 13:45 A genomic perspective on the impact of migratory strategy on gene flow and adaptation in Atlantic salmon (Salmo salar) Cameron MacPhail¹. ¹Memorial University of Newfoundland and Labrador.	13:30 - 13:45 Influence of Female Reproductive Status on Behavioural and Spatial Dynamics in Reindeer Mating Groups Marie Sophie Roy¹. ¹Concordia University.

13:45 - 14:00 Shifts in plant community composition and biodiversity across a coppice cycle chronosequence Katie Pita¹. ¹University of Waterloo.	13:45 - 14:00 Régénération forestière aux limites nord et sud de la toundra forestière Béatrice Dupuis¹. ¹Université du Québec à Rimouski.	13:45 - 14:00 Differential DNA methylation associated to salinity and geography in the American eel, a panmictic fish Gabriela Ulmo Díaz¹. ¹Université Laval.	13:45 - 14:00 Population response of American marten to Anthropogenic disturbance John Fryxell¹. ¹University of Guelph.
14:00 - 14:15 Size-based limiting similarity increases with competition intensity in an old-field plant community Brandon Schamp¹. ¹Algoma University.	14:00 - 14:15 Post-fire recruitment is reduced within coastal climates relative to continental climates across a 500 km subarctic boreal forest gradient Carissa Brown¹. ¹Memorial University.	14:00 - 14:15 Description of an Albertan Late Cretaceous Marginal Marine Palaeocommunity, with a Discussion of Sampling Methodology in Vertebrate Microfossil Studies Luke Nelson¹. ¹University of Alberta.	14:00 - 14:15 Habitat selection as a reduction in habitat variance James Schaefer Schaefer¹. ¹Trent University.
14:15 - 14:30 Biotic invasion resistance and rainfall variability in an endangered serpentine grassland EK Unger¹. ¹University of British Columbia.	14:15 - 14:30 Long-term trend in the cover of berry species in arctic and alpine ecosystems Noémie Boulanger-Lapointe¹. ¹University of Victoria.	14:15 - 14:30 Close-Kin Mark-Recapture Model Development for Atlantic Halibut Ellen M. Weise¹. ¹Department of Biology, Dalhousie University.	14:15 - 14:30 Life history predicts social network structure across toothed whale species Sam Walmsley¹. ¹Dalhousie University.
14:30 - 14:45 Investigating the invasion of <i>Mimulus guttatus</i> in New Zealand through genomic and phenotypic variation Aly Van Natto¹. ¹Queen's University.	14:30 - 14:45 Nesting resource limitation: Determinants of upper-elevation range limits in cavity-nesting bees? Lydia H. Wong¹. ¹University of Ottawa.	14:30 - 14:45 The role of chromosomal inversions in environmental adaptation in Atlantic cod Rebecca Krohman¹. ¹University of New Brunswick Saint John.	14:30 - 14:45 Environmental conditions and population density predict individual reproductive success but not population recruitment in kangaroos Rachel Bergeron¹. ¹Département de Biologie, Université de Sherbrooke, Sherbrooke, QC, Canada.
14:45 - 15:00 Population performance of a wide-spread wildflower varies with geographic and environmental marginality Kristin Olson¹. ¹University of Lethbridge.	14:45 - 15:00 Environmental controls on arthropod communities in the Hudson Bay Lowlands, Canada Dorothy Travis¹. ¹Trent Univeristy.	14:45 - 15:00 Circumpolar population structure of Arctic cod (<i>Boreogadus saida</i>): Insights from key Arctic regions using low-coverage whole-genome resequencing. Marie Launay¹. ¹McGill University.	14:45 - 15:00 Density-dependent parasitism and female reproductive success in Sable Island horses Victoria Crozier¹. ¹University of Saskatchewan.

15:00 - 15:30 - Hall devant Sherbrooke ABC + Mezzanine

Pause café

15:30 - 16:30 - Lac Mégantic Présentations orales - Fonction écosystémiques	15:30 - 16:30 - Lac Stukely/Brompton Présentations orales - Complexité des communautés	15:30 - 16:30 - Lac Aylmer Présentations orales - Écologie des insectes
15:30 - 15:45 Exploring seasonal and interannual two-way effects of diversity and productivity Lamees Shah ¹ . ¹ University of Toronto.	15:30 - 15:45 Drivers of diversity and phylogenetic structure in invertebrate communities along an elevational gradient in the tropical Andes Nadia Páez ¹ . ¹ University of British Columbia.	15:30 - 15:45 Let the Sunshine In : The influence of a total solar eclipse on butterfly behavior in an experimental macrocosm André-Philippe Drapeau Picard ¹ . ¹ Insectarium - Espace pour la vie.
15:45 - 16:00 Estimating and explaining the belowground carbon storage of British Columbia tidal marshes Vanessa Valenti ¹ . ¹ University of British Columbia.	15:45 - 16:00 Advancing Food Web Models: Integrating More Essential Chemical Elements Robert Buchkowski ¹ . ¹ Western University.	15:45 - 16:00 Studying how ozone pollution affects honey bee behavior and cognition Mariana Rodriguez Lopez ¹ . ¹ York University.
16:00 - 16:15 Biosolids application mitigate the impacts of drought on restored grassland Jay Prakash Singh ¹ . ¹ Thompson Rivers University.	16:00 - 16:15 Community Functional Integration: a critical dimension of functional structure in community assembly Alexandra Engler ¹ . ¹ Concordia University.	16:00 - 16:15 Artificial selection for high and low virulence of an RNA virus in <i>Apis mellifera</i> workers Prabashi Wickramasinghe ¹ . ¹ University of Alberta.
16:15 - 16:30 Land-use legacy modulates soil health, function, and agricultural productivity Tanya Brouwers ¹ . ¹ ENVS MSc candidate, Thompson Rivers University, Fraser Lab.	16:15 - 16:30 Biodiversity-ecosystem function research needs to consider absolute abundance, not just diversity Rachael Winfree ¹ . ¹ Rutgers University.	16:15 - 16:30 Understanding the molecular machinery in agrochemical detoxification in honey bees Aidan Jamieson ¹ . ¹ York University.
15:30 - 16:30 - Rivière St-François Présentations orales - Écologie urbaine	15:30 - 16:30 - Rivière Magog Présentations orales - Écologie des plantes	15:30 - 16:30 - Lac Memphrémagog Présentations orales - Macroévolution

15:30 - 15:45 Urban stormwater ponds show patterns of community assembly resembling natural systems, not other urban ponds Dale Pebesma¹. ¹University of Toronto.	15:30 - 15:45 Comparing the efficacy of integrated population models and integral projection models to estimate population growth rates of an endangered plant Amy Wiedenfeld¹. ¹University of Lethbridge.	15:30 - 15:45 Beyond supergenes: inversions' diverse roles in trait evolution Rebekah A. Oomen^{1,2,3}. ¹Department of Biological Sciences, University of New Brunswick Saint John, Saint John, New Brunswick, Canada, ²Tjärnö Marine Laboratory, Department of Marine Sciences, University of Gothenburg, Strömstad, Sweden, ³Centre for Coastal Research, Department of Natural Sciences, University of Agder, Kristiansand, Norway.
15:45 - 16:00 Does connectivity of green and riverain space along an urbanization gradient influence Eurosta solidaginis abundance? Angeli Sahdra¹. ¹Toronto Metropolitan University.	15:45 - 16:00 Traits fonctionnels régulant les flux de méthane des arbres en plaine inondable Marie-Ange Moisan¹. ¹Département des sciences de l'environnement, Université du Québec à Trois-Rivières, Trois-Rivières, Québec.	15:45 - 16:00 Speciation and phylogeography of Ceratopirra manakins across the Amazon basin Else Mikkelsen¹. ¹University of Toronto.
16:00 - 16:15 Concevez votre propre espace vert : un jeu vidéo participatif pour étudier les préférences des résidents en matière d'espaces verts Sarah Chamberland-Fontaine¹. ¹Concordia University.	16:00 - 16:15 Rapid plant trait measurements using a novel high-throughput technique Lutchmee Sujeeun¹. ¹University of Toronto Scarborough.	16:00 - 16:15 How prevalent is parapatric speciation? Gihyun Yoo¹. ¹Department of Ecology and Evolutionary Biology, University of Toronto.
16:15 - 16:30 Traffic noise changes the relative perception of threat from bats in Neoconocephalus ensiger Erik Etzler¹. ¹University of Toronto Mississauga.	16:15 - 16:30 A test of soil amendments to restore native plant species in a post-mining landscape Rabeya Shikdar Orpa¹. ¹Master's student of Thompson Rivers University.	16:15 - 16:30 Extensive Y Chromosome Degeneration and X Gene Migration in Poecilia picta Joëlle Lafond¹. ¹University of British Columbia.
15:30 - 16:30 - Rivière Coaticook Présentations orales - Biologie de la conservation	15:30 - 16:30 - Sherbrooke A Présentations orales - Écologie microbienne	15:30 - 16:30 - Sherbrooke BC Période d'installation des affiches
15:30 - 15:45 Opportunistic community science plays an important role in identifying Key Biodiversity Areas Peter Soroye¹. ¹Wildlife Conservation Society Canada.	15:30 - 15:45 The first steps towards population genomic analyses of arbuscular mycorrhizal fungi Kevin MacColl¹. ¹University of Ottawa.	

15:45 - 16:00 Using soundscapes to move from knowledge to action for biodiversity conservation Rachel Buxton¹. ¹Carleton University.	15:45 - 16:00 Comment les arbres à croissance rapide phylogénétiquement proches et leurs traits racinaires affectent-ils les communautés microbiennes du sol ? Toky Jeriniaina Rabearison^{1, 2}. ¹Département des Sciences de l'environnement, Université du Québec à Trois-Rivières, ²Institut de Recherche sur les Forêts, Université du Québec en Abitibi-Témiscamingue.	
16:00 - 16:15 Monitoring ecological integrity to support ecosystem management in Canadian national parks Lucy Patterson¹. ¹Parks Canada Agency.	16:00 - 16:15 Concurrent shifts in plant chemistry and microbial recruitment are driven by recurrent selection in cold-tolerant alfalfa Mary-Cathrine Leewis¹. ¹Agriculture and Agri-Food Canada.	
16:15 - 16:30 Evaluating the ecological trade-offs of formal versus informal campsite management Sara Steel¹. ¹Carleton University.	16:15 - 16:30 Shifts in plant and microbial communities in relation to nitrogen cycling across a 28-year green roof chronosequence Amy Heim¹. ¹Université de Sherbrooke.	
16:30 - 18:30 - Sherbrooke BC - Virtual Poster Session Session d'affiches		
Exploring Bayesian cross-validation protocols for phylogenetic model selection Nicolas Rodrigue¹. ¹Carleton University.		
The biogeography of mycorrhizal fungi: do we have the full picture? Noah Boodhoo^{1, 2}. ¹Université de Montréal, ²Agriculture et Agroalimentaire Canada.		
Wildfire trends and their relationship with ecosystem stability across Canada and the United States Matthew Coghill¹. ¹Department of Natural Resource Science, Thompson Rivers University.		
Gene flow and genetic adaptation in Swainson's Thrushes (Catharus ustulatus) on Haida Gwaii Kimberly Parno¹. ¹Queen's University.		
Carry-over effects of environmental conditions at wintering and migration sites on body condition and reproduction of female Tree Swallows Marianne Allard¹. ¹Université de Sherbrooke.		
Plant-soil feedback in alfalfa: the role of cultivar traits and environmental conditions Martina Cardoni¹. ¹University of Saskatchewan.		

The genetic basis of a 5-lobed leaf shape polymorphism in ivyleaf morning glory (*Ipomoea hederacea*) [Martin Henry](#)¹.

¹University of Toronto.

Chris' study system yard sale [Christopher Eckert](#)¹. ¹Queen's University.

Evaluating methodological frameworks of mosquito-borne disease transmission [Mehra Balsara](#)¹. ¹Carleton University.

Investigating Associations between Genome Size and Climate in the Potato Clade [Delaney McTavish-McHugh](#)¹.

¹University of Guelph.

Are there paternal effects on offspring phenotypes in Tree swallows ? [Loïc Perreault](#)¹. ¹Université de Sherbrooke.

Effects of environmental predictability on the integration of phenotypic traits in Wood frogs [Derek Duplessis](#)¹.

¹Université de Sherbrooke.

Monitoring biodiversity for human, animal, and environmental health [Francis Banville](#)¹. ¹Université de Montréal.

Macromycete distribution throughout Québec - An exploration using citizen science data [Gabrielle Bibeau Lapierre](#)¹.

¹Université de Sherbrooke.

Evaluating Population Genetic Clustering Methods Under Different Migration and Sampling Scenarios [Bianca R. Tassi](#)¹.

¹Carleton University.

Temporal and Spatial Pulses in Insect Abundance and Their Significance for Bat Foraging Ecology [Alexandria Cosby](#)¹.

¹University of Guelph.

When Fundulus Mingle: Consequences of Sexually Reproducing Hybrids in New Brunswick Populations [Annabelle Fournier](#)¹.

¹Université de Moncton.

Applying UAV-imagery to examine boreal-montane tree growth dynamics: do local conditions affect sensitivity to drought at a southern range limit? [Anna Crofts](#)¹. ¹University of Regina.

Covariation of sexually antagonistic traits in species of water striders in the Maritimes. [Charlotte Freydier](#)^{1, 2}.

¹Saint Francis Xavier University, ²Memorial university of newfoundland.

The effect of heatwave duration on short and long-term population dynamics [Emma Gruntz](#)¹. ¹University of Guelph.

Sex differences in risk assessment information in Trinidadian guppies: Testing the Distracted Male Hypothesis [Grant Brown](#)¹.

¹Concordia University.

Using Nanopore RNA Sequencing to Understand the Population Structure of Ochlerotatus Mosquitoes in the South Nation River Region and Its Implications for Mosquito-Borne Disease Dynamics. [Roqeeb Akinbile](#)¹. ¹Carleton University.

Evaluating Allelopathy and Priority Effects in Absinthe (*Artemisia absinthium*) Invasion Dynamics [Zinat Akbarzadeh](#)¹.

¹University of Saskatchewan.

Equilibrium: fact or fiction? [Tess Grainger](#)¹. ¹University of Guelph.

Buffering Pulsed Resources: Effects of Supplemental Feeding on Phenotypic Plasticity and Fitness in Eastern Chipmunks
[Eric Phendler](#)¹. ¹Bishop's University.

Urban forest diversity: Classifying urban tree genera from terrestrial mobile LiDAR [Vanessa Poirier](#)¹.
¹Université du Québec à Montréal.

Impacts of spring temperature on the length of the high-light period for spring forest understory plants [Léa Gauthier-Soumis](#)¹.
¹Université de Sherbrooke.

Developing an efficient and easy-to-use pipeline to identify genomes from metagenomic data [David Ross](#)¹.
¹Université du Québec à Montréal.

Exploring the ecological role of viruses in grassland soil dynamics [Jack Royle](#)¹. ¹University of Saskatchewan.

Reducing Aquatic Methane Emissions Through Electromagnetic Field Treatment [Sam Poon](#)¹. ¹Toronto Metropolitan University.

Phyllosphere bacterial communities of the epiphytic gymnosperm *Zamia pseudoparasitica*: homogeneity across sites and season [Lilisbeth Rodríguez](#)^{1,2,3}. ¹Université de Sherbrooke,
²Department of Microbiology, Environmental Microbiology Program, University of Panamá, Panamá.,
³Smithsonian Tropical Research Institute (STRI), Ancón, Panamá.

Author declaration: Did you take any specific actions to minimize the environmental impacts of your science study?
[Paul Grogan](#)¹. ¹Queen's University.

Cut it, seed it, graze it: Exploring methods to control woody species encroachment on pastureland [Keenan Baker](#)¹.
¹Thompson Rivers University.

Lumière sur le broutement : Effet des ouvertures de couvert sur la vulnérabilité de l'érable rouge. [Rebecca Dube-Messier](#)¹.
¹Université du Québec en Outaouais, Institut des Sciences de la Forêt tempérée.

Spring Pollinator Community: Taxon-Specific Abundance Shifts with Elevation [Audrey Lafrenaye](#)¹. ¹Université de Sherbrooke.

Canadensys: advancing open access to Canadian biodiversity data for global research [Étienne Léveillé-Bourret](#)¹.
¹Université de Montréal (IRBV).

Genetic diversity and population structure of lake trout in Kathleen Lake and Kathleen River, Yukon [Malcolm Rogers](#)¹.
¹Mount Royal University.

Larval mountain pine beetle overwintering physiology exhibits substantial geographic variation [Dezene Huber](#)¹.
¹University of Northern British Columbia.

Genomic Insights into Disease Resistance: Examining Avian Cholera's Impact on Common Eiders [Steele Grasza](#)¹.
¹Queen's University.

In situ Holographic Zooplankton Monitoring along Chlorophyll Maxima Zones in the Great Lakes [Ashley Ferns](#)^{1,2}.

¹University of Waterloo, ²Fisheries and Oceans Canada.

Drivers of diet structure in a top marine predator in the Gulf of St. Lawrence [Théo Garnier](#)¹. ¹Université de Sherbrooke.

Exploring the Structural Genomic Variation Shaping *Odocoileus* Speciation, Divergence and Demography

[Faezeh Azimi Chetabi](#)¹. ¹Trent University.

Influence of maternal characteristics on behaviour and life-history traits in the Eastern Chipmunk (*Tamias striatus*) [Julia Goss](#)¹.

¹Université de Sherbrooke.

Size matters: Do different home range estimators tell different stories? [Shayla Jackson](#)¹. ¹University of Guelph.

Leveraging long-read metagenomics to study moss mycobiomes from temperate to boreal forests [Maria Lucia Gonzalez Torres](#)¹.

¹Université de Sherbrooke.

Relationship between telomere length and life history variation in the Eastern Chipmunk (*Tamias striatus*) [Raphaëlle Houtart](#)¹.

¹Université de Sherbrooke.

Avoidance of anthropogenic sounds by freshwater fish larvae: Effects of body size and auditory specialization

[Frédéric Girard](#)^{1,2,3}. ¹UQTR, ²RIVE, ³GRIL.

Development and validation of a molecular assay for sex identification in *Fundulus heteroclitus* [Pascale Ouellette](#)¹.

¹université de moncton.

Spatiotemporal Variation in Northern Ontario's Boreal Forest Understory, Implications for Boreal Woodland Caribou

[Rose Myatt](#)¹. ¹University of Guelph.

Advancing Birth Phenology of Harbour and Grey Seals in the St. Lawrence [Kayla Trempe-Kay](#)¹. ¹Université de Sherbrooke.

Predicting forest carbon dynamics under changing climatic conditions [Dominique Caron](#)¹. ¹Natural Resources Canada.

Investigating the genomic and transcriptomic basis of migratory behavior in Atlantic bluefin tuna (*Thunnus thynnus*) [Iris Jia](#)¹.

¹University of New Brunswick Saint John.

Finding determinants of *Gerris* spp. distributions in the Maritimes region [Cody Whitlock](#)¹. ¹Presenter.

Population Genomics of Adaptive Variation in Supergenes of Atlantic Cod (*Gadus morhua*) [Remy Durocher](#)¹.

¹University of New Brunswick Saint John.

From courtship to combat: How the coevolution of sexual armaments has impacted vibrational sensitivity in water strider

species [Isabelle Hoversten](#)¹. ¹St. Francis Xavier University.

Sex differences in memory persistence of brood-parasitic brown-headed cowbirds [Kieran Guimond](#)¹. ¹McGill University.

Population genetics and clonal structure of the Appalachian Jacob's ladder, a rare wetland wildflower [Sufia Khader](#)^{1,2}.

¹Université de Montréal, ²Institut de Recherche en Biologie Végétale.

Les méthodes d'échantillonnage non létales des pollinisateurs: revue de littérature systématique [Julia Mlynarek](#)¹.

¹Insectarium de Montréal.

Phylogenomics of the Elasmobranchs (Sharks, Rays and Relatives) [Anthony Rajkumar](#)¹.

¹University of Toronto Department of Ecology and Evolutionary Biology.

In the clear: weather drives the northward movement of American Tree Sparrows (*Spizelloides arborea*) as spring progresses [Yolanda Morbey](#)¹. ¹Western University.

Biotic homogenization of urban plant communities: a comparative analysis [Malo Archambault](#)^{1,2}.

¹Institut de Recherche en Biologie végétale, ²Université de Montréal.

Use of simple statistical models to predict river water temperature in the Great Lakes region [Jiayi Wu](#)¹. ¹University of Waterloo.

Sex chromosome inversion resists introgression but does not complete speciation in the Fox Sparrow species complex

[Jason Weir](#)¹. ¹University of Toronto Scarborough.

Linking Landscape Structure to Woodland Caribou Density Using Non-Invasive Spatial Capture-Recapture [Hailey Orchard](#)¹.

¹Lakehead University.

Intraspecific trait variation has scale-dependent impacts on functional diversity in a metacommunity [Grace Walker Mitchell](#)¹.

¹University of Toronto.

Adaptive Foraging and Robustness to Extinction Cascades in Dynamical Foodweb Models [Jacob Harvey](#)¹. ¹McGill University.

Seeing the Path Ahead: How Fine-Scale Forest Visibility Affects Mammal Use of Boreal Linear Features [Jordan Heppell](#)¹.

¹University of Guelph.

Does a repeated predator stimulus affect disturbance cue production? [Alexander Levesque](#)¹.

¹Department of Biology, Concordia University.

Drivers of Gut Microbiome Variation in Rocky Mountain Bighorn Sheep [Jasmine Veitch](#)¹. ¹University of Calgary.

What role do functional traits play in the current and projected distribution of boreal birds? [Marilou Cournoyer](#)¹.

¹Université de Sherbrooke.

Zooplankton through the seasons: Can eDNA keep up? [Marie-Amélie Blais](#)¹. ¹Département de Biologie, Université de Sherbrooke.

Adjusting the clock: Variation in survival trajectories of Lemna minor [Amanda Luzardo](#)¹. ¹University of Lethbridge.

Which Magnolias are escaping from the Arboretum? Using next-generation sequencing to identify the culprits [Edeline Gagnon](#)¹.

¹University of Guelph.

Uncertainty Matters Under High Predation Risk: The Impact of Background Risk and Anthropogenic Disturbances on Trinidadian Guppies. Félix Dumaesq Synnott¹. ¹Concordia University.
The impact of competition and group size on dominance hierarchy structure in mammals Marie Cera¹. ¹University of Guelph.
Social relationships and context-dependent social dynamics in highly gregarious bats R. Julia Kilgour¹. ¹University of Guelph.
Integrating Multiple Data Sources in Species Distribution Models Maria Camila Diaz Corzo¹. ¹Université de Sherbrooke.
How to identify animal's prolonged inactivity periods? Baptiste Brault¹. ¹Université de Sherbrooke.
Investigating the Effects of a Winter Heatwave on Diapause and Reproduction Yaseen Ginnab¹. ¹St. Francis Xavier University.
Modelling behaviour and interactions of individuals using movement data Amadou Kiwallo¹. ¹Université de Sherbrooke.
Testing the “keystoneness” of species using experimental food webs Jacob Lavoie¹. ¹Université de Sherbrooke.
Endoparasites, acorn crops, and cortisol in North American flying squirrels (<i>Glaucomys</i> spp.) Marion Sherbourne¹. ¹Environmental & Life Sciences Graduate Program, Trent University.
Predictors of climate change resistance of Key Biodiversity Areas in Canada Varina Crisfield¹. ¹Université de Sherbrooke; Université du Québec en Abitibi-Témiscamingue.
Shaped by Wings and Neighbours: Predicting Presence of the Silver-haired Bat Across Heterogeneous Landscapes Genevieve B. Kleefisch¹. ¹University of Guelph.
Tissue library and DNA dataset creation for the investigation of migration patterns of Atlantic Bluefin Tuna (<i>Thunnus thynnus</i>) in Atlantic Canada Stephanie Maheux¹. ¹University of New Brunswick, Saint John.
Sex ratio more variable than expected in a Western Burrowing Owl conservation breeding program Hana Thompson¹. ¹African Lion Safari.
A recurring fragmentation process: how the Peary caribou habitat in the Canadian arctic fluctuates from year to year Carlos Alberto Arnillas¹. ¹University of Toronto — Scarborough.
The temporal dynamics of a specialized pollinator reward from the oil-flower <i>Lyismachia terrestris</i> (Primulaceae) Hugh Hartloper¹. ¹Mount Allison University.
Do Constructed Wetlands Augment the Diversity and Abundance of Wild Bees? Hannah Dickinson¹. ¹Mount Allison University.
From cells to species: a multi-scale investigation of sperm gigantism across the <i>Caenorhabditis</i> phylogeny Arielle Rothman¹. ¹University of Toronto.
Watershed Level Impacts of Urbanization on Amphibian Community Structuring Zira MacFarlane¹. ¹University of Toronto at Mississauga.

Seasonality of virus-plant interaction during the long-term infection in a natural environment Mie Honjo¹. ¹Kyoto University, Japan.
Individual variation in responses to uncertainty of food rewards in Eastern chipmunks (<i>Tamias striatus</i>) Laurence Feyten¹. ¹Université de Québec à Montréal.
From presence to abundance: Advancing urchin species distribution modelling for kelp restoration Tessa Rehill¹. ¹University of Victoria.
Differences in the Ecology of the Goldenrod Gall System Across its Range: Observations from the New Brunswick/Nova Scotia Border Region Jasmine McNairn-Hart¹. ¹Mount Allison University.
Monarch butterflies (<i>Danaus plexippus</i>) in restored grasslands: The effect of local habitat characteristics on monarch butterfly habitat use Lily Charles¹. ¹University of Ottawa.
Pleistocene glacial cycles and fledgling species in North American shorebirds Spencer Lott¹. ¹Queen's University.
How does supplemental feeding affect maternal reproductive allocation in reindeer (<i>Rangifer tarandus</i>)? Asheley Brydges¹. ¹Concordia University.
Burning questions: the effect of wildfire smoke on pollen performance Emily Gillon¹. ¹Queen's University.
Shrinking Spaces: Humans are Driving Home Range Loss in Mammals Globally Samara Manzin¹. ¹McGill University.
Spatiotemporal niche partitioning in large omnivores in a context of landscape change in the Yukon, Canada Ludovick Brown¹. ¹University of Victoria.
An epigenomic approach to the long-term well-being assessment of polar bears in human care Elizabeth Patterson¹. ¹University of Manitoba.
Population dynamics of the Poweshiek skipperling Bronwyn Selby-Lyons¹. ¹university of manitoba.
Population structure and provenance of the European sea lemon (<i>Doris pseudoargus</i>), an invader in the northwest Atlantic Krystyn Forbes¹. ¹University of Toronto.
Helminth parasitism of rodent hosts in Algonquin Provincial Park, Ontario, Canada. Sydney Miller¹. ¹Laurentian University.
Tracing Subpopulation Signatures in <i>Arbutus menziesii</i>: Forecasts, Foliar Blight, and the Temporal Power of Herbaria Deborah Edgett¹. ¹University of Calgary.
Pesticide Risk Assessment in a Changing World Mathilde L. Tissier¹. ¹CNRS & UQÀM.
Bird Habitat Use Across the Urban Landscape Mackenzie Guest¹. ¹Concordia University.
Genetic Analysis of Spruce Budworm at High and Low Population Densities Melanie Beaudin¹. ¹Carleton University.

Nature's Calendar in the Boreal Forest: Synchronization of Spruce Budworm (<i>Choristoneura fumiferana</i>) Larval Stages with the Bud Stages of Host Trees Sabina Noor¹. ¹Concordia University, Department of Biology, 7141 Sherbrooke St W, Montreal, H4B 1R6, Quebec, Canada.	
Selection on wing shape via flight performance in <i>Drosophila melanogaster</i> Mathieu Videlier¹. ¹University of Toronto.	
Applying acoustic telemetry to understand marine conservation network connectivity in the Maritimes Harri Pettitt-Wade¹. ¹Fisheries and Oceans Canada.	
How hot does it need to be? Introducing genetic hotspots as a novel conservation framework. Vicky Belley¹. ¹Université de Concordia.	
Germline Mutation Rate in White-Tailed Deer Devan Desai¹. ¹Trent University.	
Reclassification and description of new taxa in the Protandrenini: resolving the Lipanthus-Incasarus group (Hymenoptera: Andrenidae: Panurginae). Nora Romero¹. ¹York University, Toronto.	
Unraveling the Genomic Epidemiology and Evolution of <i>Tenacibaculum</i> spp. in Wild and Aquaculture Salmon Populations in British Columbia kaytlyn tasalloti¹. ¹university of british columbia.	
Avian Influenza H5N1 in Quebec: Landscape Drivers of Wildlife-to-Poultry Transmission Amélie Boutin¹. ¹Carleton University.	
FUNCTIONAL REDUNDANCY IN COMPLEX MICROBIOMES FACILITATES RESILIENT HOST-BENEFICIAL MICROBIAL INTERACTIONS ZAKEE SABREE¹. ¹UNIVERSITY OF TORONTO.	
19:00 - 22:00 - Atrium - Université de Sherbrooke "Mixer" pour personnes étudiantes et au postdoctorat	19:00 - 22:00 - Souper et drink informels au Refuge des Brasseurs

08:00 - 12:00 - Hall d'entré Ouverture du bureau d'accueil			
08:30 - 10:00 - Lac Aylmer Symposium - Braiding Wildlife Knowledges: Common threads connecting place-based work in ecology and evolution (Part 1)	08:30 - 10:00 - Sherbrooke B Symposium - Living the Data (Project) dream: how to make ecology more open, synthetic, reproductive and collaborative	08:30 - 10:00 - Sherbrooke A Présentations orales - Biologie de la conservation	08:30 - 10:00 - Lac Stukely/Brompton Présentations orales - Écologie comportementale
08:30 - 08:45 Cree and collar knowledge contributions to a co-produced moose habitat quality index <u>Murray Humphries</u> ¹ . ¹ Centre for Indigenous Peoples Nutrition and Environment, McGill University.	08:30 - 08:45 Who benefits from science collaboration? Gender, equity and working groups <u>Diane Srivastava</u> ¹ . ¹ Canadian Institute of Ecology and Evolution.	08:30 - 08:45 Poaching signs did not affect habituation of geographically isolated western gorillas in Cameroon <u>France Anougue France</u> ¹ . ¹ université concordia.	08:30 - 08:45 White as a ghost: crayfish change colour and morphology in response to background colour and predation-related cues <u>Gabrielle Achtymichuk</u> ¹ . ¹ Western College of Veterinary Medicine, University of Saskatchewan.
08:45 - 09:00 Creating space for Indigenous science and values in conservation <u>Kyle Bobiwash</u> ¹ . ¹ University of Manitoba.	08:45 - 09:00 Same data, different analysts: variation in effect sizes due to analytical decisions in ecology and evolutionary biology <u>Tim Parker</u> ¹ . ¹ Whitman College.	08:45 - 09:00 Guiding biodiversity monitoring in Canada: modeling species detection and sampling gaps from museums and citizen science data <u>Janaina Serrano</u> ¹ . ¹ McGill University.	08:45 - 09:00 Songs of the studs: do male song traits influence female choice in a wild, promiscuous bird? <u>Sarah Dobney</u> ¹ . ¹ University of Windsor.
09:00 - 09:15 Indigenous Knowledge habitat models of bearded seals (ugruk) in coastal Alaskan waters <u>Rowenna Gryba</u> ¹ . ¹ Inuit Circumpolar Council.	09:00 - 09:15 Reproducible science both for yourself and for the community <u>Andrea Paz Velez</u> ¹ . ¹ Université de Montréal.	09:00 - 09:15 Linked fates: Detection patterns of the Grenada Dove and its predator <u>Patricia Rosa</u> ¹ . ¹ St. George's University.	09:00 - 09:15 Modelling the Effect of Hunting on Female Wild Turkey Behaviour during Incubation <u>Victoria Quance</u> ¹ . ¹ Western University.

09:15 - 09:30 “BRAIDED Food Security: Indigenous, Community-led Mercury Monitoring in Traditional Foods Amy Bishop¹. ¹University of Alaska Anchorage.	09:15 - 09:30 Integrating heterogenous data sources to understand the fish food webs in the Anthropocene Juan Carvajal-Quintero¹. ¹Dalhousie University.	09:15 - 09:30 Factors affecting individual variation in faecal glucocorticoid metabolite concentrations in wild African elephants Kyla Funk¹. ¹Memorial University of Newfoundland and Labrador.	09:15 - 09:30 Ecology of fear: parasite-mediated carry-over effects Lisa MacLeod¹. ¹Department of Biological Sciences, University of Alberta.
09:30 - 09:45 Facilitation in Rare Nitsitaapi Plants of Alberta: Purple Geranium and Green Comet Milkweed Toryanse Blanchard¹. ¹University of Calgary.	09:30 - 09:45 Exploring trends: Simulating data to uncover the best approaches for understanding population states Cristian A. Cruz-Rodríguez¹. ¹Université de Montréal.	09:30 - 09:45 Turtle Conservation in Action: Evaluating the effectiveness of recovery actions for native turtle populations in the National Capital Region. Charlotte M. Galloway¹. ¹Carleton University.	09:30 - 09:45 From newborn cries to male mating calls: acoustic variation across age and behavioural context Susan Lingle¹. ¹University of Winnipeg.
09:45 - 10:00 Sedimentary DNA metabarcoding and Indigenous Knowledge reconstruct natural and anthropogenic disturbances to a freshwater lake in the Oil Sands Region of Alberta, Canada Mark Louie Lopez¹. ¹University of Victoria.	09:45 - 10:00 Data equity can be engineered: technical choices to ensure fairness in access to digital sequence information Timothée Poisot¹. ¹Université de Montréal.	09:45 - 10:00 Comparison of UAV and ground surveys for the detection of a rare plant in a fragile ecosystem Ana Hernandez Martinez de la Riva¹. ¹Carleton University.	09:45 - 10:00 The Scent of Fear: How Forest Birds React to Olfactory Cues in Their Breeding Habitat Josyane Brouillard¹. ¹Université du Québec à Trois-Rivières.
08:30 - 09:45 - Lac Memphrémagog Présentations orales - Écologie des insectes	08:30 - 09:45 - Sherbrooke C Présentations orales - Génétique	08:30 - 10:00 - Lac Mégantic Symposium - Dynamic landscapes: Emerging theory for spatial and temporal variability in ecological systems (Part 1)	
08:30 - 08:45 Enhancing Biodiversity Monitoring: A DNA Metabarcoding Survey of Insects in Canadian National Parks Anne-Laure Ferchaud¹. ¹Parks Canada.	08:30 - 08:45 Are there generalizable effects of habitat fragmentation on genetic diversity in vertebrates Devon Bath¹. ¹University of Manitoba.	08:30 - 08:45 Metapopulation persistence in a dynamically changing landscape Maxime Clenet¹. ¹Université de Sherbrooke.	
08:45 - 09:00 Microclimatic limits on butterfly and bee habitat use in a protected area Gabrielle Ednie¹. ¹Univeristy of Ottawa.	08:45 - 09:00 Accumulation of a biparentally-inherited Neptune transposable element in Killifish hybrids (Fundulus diaphanus X F. heteroclitus) Anne-Marie Dion-Côté¹. ¹Université de Moncton.	08:45 - 09:00 Fisher and Skellam for the 21st century: population dynamics in dynamic landscapes Frithjof Lutscher¹. ¹University of Ottawa.	

09:00 - 09:15 Causes and consequences of reproductive plasticity of honey bee queens <u>Olav Rueppell</u> ¹ . ¹ University of Alberta.	09:00 - 09:15 Embracing the power of genomics to inform conservation units <u>Jayna Bergman</u> ¹ . ¹ Environment and Climate Change Canada.	09:00 - 09:15 Species' responses to the spatiotemporal dynamics of landscapes <u>Marie-Josée Fortin</u> ¹ . ¹ University of Toronto.
09:15 - 09:30 Temporal dynamics of mountain pine beetle (<i>Dendroctonus ponderosae</i>) population structure over an outbreak <u>Niamh Moreton</u> ¹ . ¹ Univeristy of Western Ontario.	09:15 - 09:30 Latitudinal genetic diversity gradients steepen toward the poles <u>Chloé Schmidt</u> ¹ . ¹ Dalhousie University.	09:15 - 09:30 Small fish as the missing link for freshwater ecosystem resilience <u>Charlotte Ward</u> ¹ . ¹ University of Guelph.
09:30 - 09:45 Using whole-genome sequence data to detect putatively adaptive loci in expansion range mountain pine beetle <u>Zach Balzer</u> ¹ . ¹ University of Western Ontario.	09:30 - 09:45 How to accurately estimate inbreeding extent from low coverage genomic data <u>Rebecca Taylor</u> ¹ . ¹ Environment and Climate Change Canada.	09:30 - 09:45 The rate-dependent response of spatially structured communities to climate change: from seasonal migrations to tipping points <u>frederic guichard</u> ¹ . ¹ McGill University.
		09:45 - 10:00 From stoichiometric landscapes to applied meta-ecosystems <u>Eric Harvey</u> ¹ . ¹ Université du Québec à Trois-Rivières.
10:00 - 10:30 - Hall devant Sherbrooke ABC + Mezzanine Pause café		

10:30 - 11:15 - Lac Aylmer Symposium - Braiding Wildlife Knowledges: Common threads connecting place-based work in ecology and evolution (Part 2)	10:30 - 11:45 - Sherbrooke B Présentations orales - Écologie des plantes	10:30 - 12:00 - Sherbrooke A Symposium - Phenology in human-affected and human-managed environments	10:30 - 12:00 - Lac Stukely/Brompton Présentations orales - Écologie comportementale
10:30 - 10:45 Applying a Land-based Learning Approach to Reconnecting Positive Relationship with Pashkwaanaajinh (Bats) <u>Michelle Beltran</u> ¹ . ¹ University of Guelph.	10:30 - 10:45 Viability of Northern Edge Fern Populations <u>April Kowalchuk-Reid</u> ¹ . ¹ McGill University.	10:30 - 10:45 Enemy release relaxes demographic constraints on adaptive phenological evolution in invasive populations of <i>Lythrum salicaria</i> <u>Mia Akbar</u> ¹ . ¹ University of Toronto Mississauga.	10:30 - 10:45 Does Dispersal Evolve? The Importance of Time for the Empirical Study of Dispersive Movements. <u>David M. Green</u> ¹ . ¹ McGill University.

10:45 - 11:00 Healthy Relationships With All Our Relations: Mobilizing Research Through Toolkits Claire Kemp¹. ¹University of Guelph.	10:45 - 11:00 Quantifying niche expansions for introduced plant species in North America Nicole Kester¹. ¹University of Ottawa.	10:45 - 11:00 Fitness surface analysis of selection acting on breeding phenology across wild and managed populations of Eastern Loggerhead Shrike Vanessa Luzuriaga-Aveiga¹. ¹Toronto zoo.	10:45 - 11:00 Migration Ecology of Least Sandpipers in Atlantic Canada Mary From¹. ¹Mount Allison University.
11:00 - 11:15 Braiding Wildlife Knowledges: Collective Reflections from Place-based Research Allyson Menzies¹. ¹University of Calgary.	11:00 - 11:15 Examining the effects of traits on tree community productivity during drought Magalie Galarneau¹. ¹University of Waterloo.	11:00 - 11:15 Estimating resource acquisition and water-use traits in wine grapes using reflectance spectroscopy Rachel Mariani¹. ¹University of Toronto Scarborough.	11:00 - 11:15 I'm sticking with ewe: Directed associations of female Rocky Mountain bighorn sheep (<i>Ovis canadensis</i>) Magdalena Storkova¹. ¹University of Calgary.
	11:15 - 11:30 Neighbourhood facilitation alleviates increased tree mortality after exceptionally dry summers at a climatic range limit Mark Vanderwel¹. ¹University of Regina.	11:15 - 11:30 Reproductive phenology in managed snake populations Ginger Elliott^{1, 2}. ¹African Lion Safari (Department of Research & Conservation), Cambridge (Ontario), Canada, ²Queen's University (Department of Biology), Kingston (Ontario), Canada.	11:15 - 11:30 Nest defence behaviour changes through age without impacting survival or reproductive success in the long-lived Alpine swift Lydia Yu¹. ¹University of Ottawa.
	11:30 - 11:45 Impact of Aspen Density on Lodgepole Pine Growth and Drought Sensitivity Kaitlyn Raine¹. ¹Forest Ecology and Management, University of Northern British Columbia, Prince George, British Columbia, Canada V2N 4Z9.	11:30 - 11:45 Bridging Green and Brown Nutrient Pathways to Explore Detrital Phenology and Ecosystem Stability Alex Arkilanian¹. ¹Department of Biology, Memorial University of Newfoundland, Newfoundland and Labrador, Canada.	11:30 - 11:45 Clamorous and Amorous: Influence of audience sex on song amplitude in Ovenbirds Connor Acorn¹. ¹University of Windsor.

		11:45 - 12:00 Linking environmental conditions to spring migration and breeding timing in tree swallows Laurie L'Espérance ¹ . ¹ Université de Sherbrooke.	11:45 - 12:00 Effects of ocean warming on predator-prey behaviours in an invasive predator and native keystone prey Katelyn Moffat ¹ . ¹ Concordia University.
10:30 - 12:00 - Lac Memphrémagog Symposium - Microbial Ecology and Evolution across Ecosystems	10:30 - 12:00 - Sherbrooke C Présentations orales - Génétique	10:30 - 12:00 - Lac Mégantic Symposium - Dynamic landscapes: Emerging theory for spatial and temporal variability in ecological systems (Part 2)	
10:30 - 10:45 Early-Life Gut Microbiome Dynamics in Rural Infants: Microbial Succession and Environmental Impacts Mona Parizadeh ^{1, 2, 3, 4} . ¹ Cumming School of Medicine of UofC, ² International Microbiome Center of UofC, ³ Snyder Institute for Chronic Diseases of UofC, ⁴ Alberta Children Hospital of UofC.	10:30 - 10:45 Genetic consequences of outbreaks in forest Lepidoptera: Temporal variation in effective population size Jessica Underwood ¹ . ¹ University of Toronto.	10:30 - 10:45 Quantifying the intrinsic predictability of species abundances in space and time Jeremy Fox ¹ . ¹ University of Calgary.	
10:45 - 11:00 Global phylogenomic diversity of Candida albicans from diverse ecological niches Abdul-Rahman Adamu Bukari ¹ . ¹ University of Manitoba.	10:45 - 11:00 Effects of Demography and Connectivity on Genetic Inferences in Cyclic Outbreeding Populations Joao Pedro Fontenelle ¹ . ¹ University of Toronto.	10:45 - 11:00 How much did it change? How our assumptions about spatial and temporal continuity affect estimated rates of change Eric Pedersen ¹ . ¹ Concordia University.	
11:00 - 11:15 Of people, microbes, and trees: seasonal patterns of airborne microbial communities and pollens in urban centers Isabelle Laforest-Lapointe ¹ . ¹ Université de Sherbrooke.	11:00 - 11:15 Hidden Population Structure Makes it Hard to Identify Hybrids Daniel Pelletier ¹ . ¹ Simon Fraser University.	11:00 - 11:15 Activity Patterns Structure Predator-Prey Interactions Through Time Alexa Scott ¹ . ¹ University of Guelph.	
11:15 - 11:30 The Hyphomicrobiales dark matter in the phyllosphere Jean-Baptiste Leducq ¹ . ¹ Université Laval.	11:15 - 11:30 The challenges of outbreaking demography to population genetic studies Katherine Brittain ¹ . ¹ University of Tronto.	11:15 - 11:30 Unpacking the interaction between intrinsic and extrinsic variability on population dynamics and phase shifts Carling Bieg ¹ . ¹ Case Western Reserve University.	

11:30 - 11:45 Plastisphere Microbiome - An ecological niche shaped by the city <u>Srijak Bhatnagar</u> ¹ . ¹ Athabasca University.	11:30 - 11:45 Examining the role of copy number variants in range expansion and adaptation in <i>Dendroctonus ponderosae</i>, using whole genome data. <u>Caroline Grela</u> ¹ . ¹ Carleton University.	11:30 - 11:45 Metapopulations with and without habitat modification <u>Zachary Miller</u> ¹ . ¹ Yale University.
11:45 - 12:00 Eco-evolutionary feedbacks in natural microbial communities <u>Jesse Shapiro</u> ¹ . ¹ McGill University.	11:45 - 12:00 The influence of bioinformatic filtering thresholds on population genetic inference in an outbreaking system <u>Sophia Romualdi</u> ¹ . ¹ University of Toronto.	11:45 - 12:00 The case for using ecosystem engineers to increase resilience to climate change. <u>Kim Cuddington</u> ¹ . ¹ University of Waterloo.

11:15 - 12:00 - Lac Aylmer

Symposium - Braiding Wildlife Knowledges: Common threads connecting place-based work in ecology and evolution (Part 3)

12:00 - 13:00 - Hall devant Shebrooke ABC

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13:00 - 15:30 - Lac Aylmer Présentations orales - Modélisation de la biodiversité	13:00 - 15:30 - Lac Stukely/Brompton Présentations orales - Réseaux trophiques	13:00 - 15:30 - Lac Mégantic/Memphrémagog SWEET symposium (Part 1)
13:00 - 13:15 What do you mean? Potential challenges associated with summarising species' trends via community means. <u>Brooke Dexter</u> ¹ . ¹ Simon Fraser University.	13:00 - 13:15 Turnip mosaic virus infection suppresses aphid fecundity by altering physiology of its host, <i>Arabidopsis halleri</i> <u>Miyabi Otsubo</u> ¹ . ¹ Kyoto University.	
13:15 - 13:30 Seeing the Forest for the Bees: Quantifying the effect of forest logging history on bumble bee abundances with N-Mixture Models <u>Hanna Jackson</u> ¹ . ¹ Simon Fraser University.	13:15 - 13:30 On mutualism, ranges, niches, and island biogeography <u>Megan Frederickson</u> ¹ . ¹ University of Toronto.	
13:30 - 13:45 Subsampling Large Detection Data for Efficient Occupancy Modelling, with Application to Canada Warbler <u>Johanna de Haan-Ward</u> ¹ . ¹ University of Ottawa.	13:30 - 13:45 Using trophic networks to better predict predator range shifts <u>Maximiliane Jousse</u> ¹ . ¹ McGill University.	

13:45 - 14:00 Stacking the Deck for Plant Community Conservation: Stacked Species Models Outperform Community-Based Distribution Models <u>Carisa McGale</u>¹. ¹University of Lethbridge.	13:45 - 14:00 Predator-prey interactions under thermal pressures <u>Ryley Marchant</u>¹. ¹Lakehead University.	
14:00 - 14:15 Mind the Gap, Mend the Gap: How biased data destabilizes biodiversity estimates and how you can help change that <u>Noah Wightman</u>¹. ¹Mcgill University.	14:00 - 14:15 Postdispersal seed predation in a temperate forest: Exploring plant-animal relationships in seed dispersal <u>Kyle Schang</u>¹. ¹University of Waterloo.	
14:15 - 14:30 How can we cover more ground to document species distributions by 2030? <u>Katherine Hébert</u>¹. ¹McGill University.	14:15 - 14:30 Can enrichment and trophic structure predictably shift interaction strength in a detritivore system? <u>Pierre Rogy</u>¹. ¹Mcgill University.	
14:30 - 14:45 Quantifying the Impact of Forest Harvesting on Chum and Pink Salmon Populations in Coastal BC <u>Maria Kuruvilla</u>¹. ¹University of Victoria.	14:30 - 14:45 Seeking shelter among rivals:Refuge dynamics in Apparent Competition <u>Brendan Carswell</u>^{1, 2}. ¹University of Calgary, ²Memorial University of Newfoundland and Labrador.	
14:45 - 15:00 Environmental and temporal factors affecting record white-tailed deer antler size in Ontario, Canada <u>Brooklyn Cars</u>¹. ¹Trent University.	14:45 - 15:00 Rapid host evolution destabilizes a host-parasitoid interaction <u>Frédéric St-Pierre</u>¹. ¹Université de Sherbrooke.	
15:00 - 15:15 Come together: Joining species distribution and connectivity models for improved mapping of functional habitat for Norwegian wood beetles. <u>Ron Togunov</u>¹. ¹Norwegian University of Science and Technology.	15:00 - 15:15 How agricultural intensity and density dependence shape a bird-ectoparasite-parasitoid food web <u>Simon Coroller</u>¹. ¹Université de Sherbrooke.	

15:15 - 15:30 Forecasting Mosquito Population in Maricopa County Using Climate Factors and Filtering Techniques Kayode Oshinubi ¹ . ¹ Northern Arizona University.	15:15 - 15:30 Applications of network analysis for the assessment of freshwater macroinvertebrate community stability Tim Poirier ^{1, 2, 3} . ¹ University of New Brunswick, ² Environment and Climate Change Canada, ³ Canadian Rivers Institute.	
15:30 - 16:00 - Hall devant Sherbrooke ABC + Mezzanine Pause café		

16:00 - 17:00 - Lac Aylmer Présentations orales - Écologie microbienne	16:00 - 16:45 - Lac Stukely/Brompton Présentations orales - Science en action	16:00 - 17:00 - Lac Mégantic/Memphrémagog SWEET symposium (Part 2)
16:00 - 16:15 How microbial diversity and environmental cues shape invertebrate communities. Deirdre Loughnan ¹ . ¹ University of British Columbia.	16:00 - 16:15 Canadian natural science graduate stipends lie below the poverty line Andrea Wishart ^{1, 2} . ¹ Support Our Science, ² University of Saskatchewan.	
16:15 - 16:30 Disease Dynamic Insights from Muskoxen Gut Microbiomes Ashley Friedenberger ¹ . ¹ Trent University.	16:15 - 16:30 Dragon Kill Points: applying a transparent working template to relieve authorship stress April Robin Martinig ^{1, 2} . ¹ University of British Columbia, ² University of New South Wales.	
16:30 - 16:45 Gut Microbiota Variation Among Bison Subspecies Under Fire, Disease, and Translocation Pressures Mikaella Grant ¹ . ¹ Trent University.	16:30 - 16:45 Collaborative networks in the Canadian ecology and evolutionary biology research community Lucas Eckert ¹ . ¹ McGill University.	
16:45 - 17:00 How to build a microbiome to “breed” better plant-inoculants Anna O'Brien ¹ . ¹ University of New Hampshire.		

17:00 - 18:30 - Lac Mégantic/Memphrémagog Assemblée générale de la SCÉE

18:30 - 23:30 - Sherbrooke ABC

Cérémonie de fermeture (banquet)