

Poster Presentations

Posters will be on display all day Monday and Tuesday (8-9 May), but presenters are only required to stand with their posters from 4:00 to 6:15 PM on the day that they are assigned. The numbers below match the numbers assigned to poster boards in the Lower Pavilion at the Victoria Conference Centre. Presenters with even numbers (i.e., 2, 4, 6, ..., 98) will be at their posters on Monday, 8 May, and presenters with odd numbers (i.e., 1, 3, 5, ..., 99) will be at their posters on Tuesday, 9 May.

Poster presenters can set up their posters as early as 2:00 PM on Sunday, 7 May. All posters must be taken down by 7 PM on Tuesday, 9 May. Poster dimensions must be 120 × 120 cm or smaller.

1. **Samuel Starko**, Patrick Martone. Allometric scaling in kelps: Size-dependent patterns, covariation, and the importance of habitat.
2. **Steven Anderson**, Bruce Ford, -Anne Worley. Diversity increases with latitude for spring-emerging plants and insects: implications for reproduction in the rewardless orchid, *Cypripedium candidum*.
3. **Louis Astorg**, Andrew Hendry, Alison Derry. Incorporating evolution into invasion biology: Native species persistence in face of exotic invasion.
4. **Jiixin Bai**, Melania Cristescu. The effect of pH on *Daphnia pulex*, *Daphnia pulicaria* and *Daphnia pulex-pulicaria*.
5. **Isabel Barrio**, David Hik, Jóhann Þórsson, K. Svavarsdottir, I. Sigprúður Jónsdóttir. 11,000 years of sheep grazing in Iceland: Can state-and-transition models improve our understanding of ecological processes?
6. **David Beauchesne**, Kévin Cazelles, Guillaume Blanchet, Dominique Gravel, Philippe Archambault. Predicting the spatial distribution of ecological networks.
7. **Beatrix Beisner**, Alexandre Langlais-Bourassa, Laurent Fraser. Metacommunity structure and biodiversity in urban streams.
8. **Kazuhiro Bessho**, Hisashi Ohtsuki, Akira Sasaki. Evolution of energy supply from haploid gametophytes to diploid sporophytes in macroalgae and terrestrial plants.
9. **Cory Bishop**, Lori Graham. An analysis of the microbiome of egg masses of a salamander that forms a symbiosis with unicellular green algae.
10. **Léa Blondel**, Sandra Klemet-N'Guessan, Marilyn Scott, Andrew Hendry. Just keep swimming: Rheotaxis behavior of wild guppies varies along river gradients.
11. **Mannfred Boehm**, Dario Ojeda, Quentin Cronk. Dissecting the bacon-and-eggs phenotype: Transcriptomics of floral colour change in Lotus.
12. **Maegwin Bonar**, Eric Vander Wal, Keith Lewis. Implications of declining population size on seasonal aggregation in a gregarious ungulate.
13. **Cole Brachmann**, Guillermo Hernandez Ramirez, David Hik. Do abiotic conditions influence alpine plant growth in recently-deglaciated terrain?

14. **Steven Brady**, Kate Macneale. The promise and pitfalls of a biotic indicator as viewed through two decades of stream health monitoring.
15. **Daniel Buonaiuto**. Floral-foliate phenological patterns of deciduous woody plants in an era of global change.
16. **Doreen Cabrera**, D. Andres, Phillip McLoughlin, Lucie Debeffe, Sarah Medill, Alastair Wilson, Jocelyn Poissant. Repeatability of flight initiation distance and habituation in a large herbivore.
17. **Juli Carrillo**, Xiaohong Li, Michael Garvey, Ian Kaplan, Baoping Li. Domestication of tomato has disrupted attraction of herbivore natural enemies to pest-damaged plants.
18. **Catherine Chamberlain**. The effects of false spring events on foliate phenophases and the duration of vegetative risk.
19. **Alex Chubaty**, Eliot McIntire, Barry Cooke, Steve Cumming, Yong Luo. Boreal insect disturbance in SpaDES: An integrated simulation model of mountain pine beetle eastward spread.
20. **Sheila Colla**, Jenny McCune, Anja Carlsson, Sheila Colla, Christina Davy, Brett Favaro, Adam Ford, Kevin Fraser, Eduardo Martins. Assessing public commitment to endangered species protection: A Canadian case study.
21. **Gregoire Cortial**, Gesche Winkler, Ryan Woodland. Genetic heterogeneity of the coastal forage species *Neomysis americana*.
22. **Vanessa Craig**. Think outside the university: Professional biologists guide management in BC!
23. **John Cristiani**, Mary O'Connor. A larval dispersal model for understanding seagrass habitat connectivity.
24. **Anna Crofts**, Carissa Brown. Boreal conifer germination and seedling establishment across substrates: A laboratory approach to examining substrate suitability.
25. **Mark Dale**, Tan Bao. Structure and function of ecological networks: Insights from graphlet analyses.
26. **Sarah Schroeder**, Leanna Boyer, Francis Juanes, Maycira Costa. Remote sensing of Bull kelp (*Nereocystis leutkeana*) in the Salish Sea using high resolution satellite imagery.
27. **Charlotte de Keyzer**, Nicole Rafferty, James Thomson. Can pollination facilitate plant range shifts under climate change?
28. **Alison Derry**, Stéphanie Guernon, Christian Zimmerman, Heidi Swanson. Climate change impacts on MeHg bioaccumulation in Western Arctic lakes: The role of community composition and allochthony in crustacean zooplankton.
29. **Pauline Deschodt**, Alana Breitskreutz, Jenny Cory. Multiple pathogen interactions: Is host nutrition a game changer?
30. **Christopher Eckert**, Stephanie Greer, Stephen Wright. Does a dramatic genome-wide reduction in genetic diversity suggest the evolution of self-fertilization via reproductive assurance in a Pacific coastal dune plant?
31. **David Ensing**, Christopher Eckert. Analysis of morphological, phenological, and fitness related traits reveals varying selection across the elevational distribution of yellow rattle (*Rhinanthus minor* L. Orobanchaceae).

32. **Owen Fitzpatrick**, Morgan Hocking, Chris Darimont, John Reynolds, Brian Starzomski. A test of subsidized island biogeography with insular plant communities.
33. **Katie Florko**, Gregory Thiemann, Marsha Branigan, Jodie Pongracz, Jeffrey Bromaghin. Has sea ice loss affected the diet composition of polar bears (*Ursus maritimus*) in the western Canadian Arctic?
34. **Julie Fortin**, Eric Higgs. Biodiversity change through repeat photography.
35. **Gillian Fraser**, Jason Fisher, John Volpe. Mother knows best? Implications of female caribou habitat selection on caribou calf survival.
36. **Manuel González**, Jonathan Ramiro, Eloy Sánchez, Alberto Gil, María Fúster. Managing human-great carnivores conflicts in a highly humanized landscape: the Cantabrian Mountains (NW Spain).
37. **Natalie Rideout**, Zacchaeus Compson, Donald Baird. Picture perfect? Use of imaging software as a rapid tool for assessing community body size distributions of benthic macroinvertebrate samples.
38. **Derek Gray**, Jordan Read, Simon Hook, Phillip Schneider, John Lenters, Catherine O'Reilly, Sapna Sharma, Stephanie Hampton. Impact of measurement frequency and data gaps on the calculation of lake warming trends.
39. **Jemma Green**. If you build it, will they come? Evaluating the conservation potential of developed landscapes for aquatic-breeding amphibians.
40. **Ariel Greiner**, Patrick Thompson, Andrew Gonzalez. Habitat connectivity impacts ecosystem functioning.
41. **Hilary Hamilton**, Louis Gosselin. The role of motility on stress tolerance and ontology in intertidal marine invertebrates.
42. **Vincent Hanlon**, Sally Aitken. Do somatic mutations speed up the evolution of Sitka spruce?
43. **Barbara Hawkins**, Ramnique Ubhi, John Kranabetter. Variation in inorganic nitrogen uptake capacity among ectomycorrhizal fungal species.
44. **Travis Heckford**, Jeff Shatford. Silvicultural prescriptions: Implications for wildlife habitat in BC's temperate rainforest.
45. **Travis Heckford**. A tale of two trees: Stoichiometry of balsam fir and white birch in the boreal forest.
46. **David Hik**, Isabel Barrio, Guillermo Bueno, Ingibjörg Jónsdóttir, Martin Mörsdorf, Virve Ravolainen, Eeva Soininen. Advancing research on herbivory in arctic and alpine ecosystems.
47. **Dezene Huber**, Lisa Poirier. An assessment of the diversity of ground-dwelling invertebrates in three urban land-use types in central British Columbia.
48. **Brianna Iwabuchi**, Louis Gosselin. One island, two climates: Marine species on east and west coasts of Vancouver Island experience different climate conditions.
49. **Deborah Jenkins**, Glenn Yannic, James Schaefer, James Conolly, Justina Ray, Nicolas Lecomte. Population structure of caribou in an ice-bound archipelago.
50. **Natalie Jones**, Jonathan Shurin. Non-native predators alter novel community dynamics.
51. **Katrina Kaur**, Megan Frederickson. Do ant-plant mutualisms drive diversification in ants?

52. **Alice Kenney**, Charles Krebs, Petra Villette. Can camera traps be used to estimate wildlife abundance in Yukon boreal forest?
53. **Dean Koch**, Subhash Lele, Mark Lewis. Spatial Markov model for Mountain Pine Beetle outbreaks in BC.
54. **Michel Laforge**, Eric Vander Wal. Consistent individual differences in tracking forage phenology. ***Presenting on Tuesday.**
55. **Geneviève Lajoie**, Steven Kembel. Identifying leading axes of variation among microbes: Lessons from plant and animal ecology.
56. **Robert Lalonde**, Jamie MacEwan. Does the host matter? Distribution of the *Eurytoma spongiosa* complex among two species of locally co-occurring host.
57. **Myles Lamont**, David Hancock. Poles, platforms and poplars: Building raptor mitigation nests in British Columbia.
58. **Jeffrey Lane**, Andrew McAdam, Eryn McFarlane, Cory Williams, Murray Humphries, David Coltman, Jamieson Gorrell, Stan Boutin. The red squirrel's climate change relationship: It's complicated.
59. **Abigail Leeper**, Jalene Lamontagne. Reproductive trade-offs in a mast seeding species.
60. **Bailey Lei**, Diego Carmona, Marc Johnson. The effects of plant sex on the evolution of phenotypic plasticity in plant defences.
61. **Jayme Lewthwaite**, Amy Angert, Steven Kembel, Simon Goring, Jonathan Davies, Arne Mooers, Felix Sperling, Steven Vamosi, Jana Vamosi, Jeremy Kerr. Butterfly climate debt is significant and moderated only by range size.
62. **Qin Li**, Dena Grossenbacher, Amy Angert. Niche divergence driven by range overlap and time in *Mimulus*.
63. **France Liboiron**, Justine Ammendolia, Jessica Melvin, Jacquelyn Saturno, Max Liboiron. A zero percent plastic ingestion rate by silver hake (*Merluccius bilinearis*) from the south coast of Newfoundland, Canada.
64. **Amanda Liczner**, Sheila Colla. Assessing at-risk bumble bee habitat in Ontario for the conservation of declining species.
65. **Jessica MacSween**, Ken Oakes, Shawn Leroux. Effects of hyperabundant moose on stream ecosystem functioning in Cape Breton Highlands National Park.
66. **Ronan Marrec**, Majid Irvani, Branko Hricko, Jahan Kariyeva, Helene Wagner. Characterizing land-use drivers of the multiscale landscape connectivity in Alberta, Canada.
67. **Gillian Martin**, Frédéric Chain, Nicolas Fortin St-Gelais, Melania Cristescu, Paul Del Giorgio, Beatrix Beisner, Alison Derry. Comparing the metapopulation genetics and metacommunity structure of boreal lake zooplankton communities.
68. **Petra McDougall**, Kathreen Ruckstuhl. Vigilance is about more than just watching for predators: Social mimicry of vigilance behaviour contributes to group cohesion.
69. **Philip Batista**, F Sperling, D Huber. Analysis of genetic polymorphisms of cytochrome p450s between mountain pine beetle (*Dendroctonus ponderosae*) populations.
70. **Anne McIntosh**, Arnold Janz, Dan Farr. Are plant communities recovering after wellsite reclamation in Alberta's grassland and forested sites?
71. **Tracy McKay**, Doug MacNearney, Barry Nobert, Karine Pigeon, Laura Finnegan. Caribou mortality and predation risk in a changing landscape.

72. **Kailey Michnal**, Amro Zayed, Sheila Colla. Urban determinants of foraging range, nest density and reproductive success in the common eastern bumble bee, *Bombus impatiens*.
73. **John Millar**, Nikhil Lobo, Andrew McAdam. Small mammal studies in the Rocky Mountains.
74. **Chandra Moffat**. Host plant traits and herbivore adaptation: Harnessing evolutionary ecology for pest management.
75. **William Murphy**, Mary Reid. Drill baby drill: Host selection of the Mountain Pine Beetle in central Alberta.
76. **Rylee Murray**, Wendy Palen, Joshua Malt. Warming from diversion dams reduces thermal safety margin for stream dwelling amphibian larva.
77. **Eric Neilson**, Stan Boutin. Human disturbance alters the relative predation rate of moose in the Athabasca oil sands.
78. **Rebekah Oomen**, Halvor Knutsen, Esben Olsen, Sissel Jentoft, Nils Stenseth, Jeffrey Hutchings. Transcriptomic variability in population responses of Atlantic cod to temperature.
79. **Marinde Out**, Ron Ydenberg. Wild goose chase: long-distance effects of White-tailed Sea Eagle population recovery on Barnacle Goose migration.
80. **Sreedevi Ramachandran**, German Avila-Sakar. The influence of soil fertility on tomato tolerance to Whiteflies.
81. **Samridhi Rijal**, Kathreen Ruckstuhl. Seasonal variation in parasite egg counts of six parasites in male and female big horn sheep, *Ovis canadensis*.
82. **Brent Robicheau**, Ed Susko, Marlene Snyder. Ribosomal DNA represents an ancient source of pseudogenes and junk DNA.
83. **Seth Rudman**, Matthew Barbour, Julian Heavyside, Dolph Schluter. Ecological convergence via parallel speciation.
84. **Sapna Sharma**, John Magnuson, Derek Gray, Catherine O'Reilly, Jordan Read, Stephanie Hampton. On thin ice: Are lakes feeling the heat?
85. **Eric Spilker**, Kara MacAulay, Evelyn Merrill, Robin Steenweg, Mark Hebblewhite, Jesse Whittington. Assessing relative abundance and resource selection functions for predicting predation risk in a multi-species predator community.
86. **Royce Steeves**, Francis LeBlanc, Steven Leadbeater, Nellie Gagné. Survival, gene expression, and viral evolution in wild and farmed Atlantic salmon challenged with infectious salmon anemia virus (ISAV).
87. **Donald Stewart**, Brent Robicheau, Emily Chase, Randy Hoeh, Sophie Breton. Using a novel mitochondrial protein-coding gene (F-orf) for species identification in freshwater mussels (Bivalvia: Unionoida) – A Case Study.
88. **Ryan Tate**, Andrew Zink. The effect of error rates and cognitive rules on the evolution of signal repertoires and multimodal communication.
89. **Corrina Thomsen**, Miranda Hart. Fungal biofertilizers as a potential source of microbial invasion.
90. **Alexander Van Nynatten**, Devin Bloom, Belinda Chang, Nathan Lovejoy. Visual evolution in marine-derived Amazonian fishes.

91. **Quinn Webber**, Michel Laforge, Maegwin Bonar, Chris Hart, Alec Robitaille, Sana Zabihi, Eric Vander Wal. An empirical integration of movement ecology and animal personality reveals an unexpected trade-off in space-use and foraging strategies.
92. **Jacob Weil**, Angeleen Olson, Emma Pascoe, Will Duguid, Cameron Freshwater, Skip McKinnell, Francis Juanes. Variation in condition-at-age of returning sockeye salmon (*Oncorhynchus nerka*) with climate and pink salmon abundance in two British Columbian rivers.
93. **Debra Wertman**, Katherine Bleiker, Steve Perlman. The light at the end of the tunnel: Photosensitivity in developing mountain pine beetle (*Dendroctonus ponderosae*).
94. **Sara Wickham**, Brian Starzomski. Marine nutrient subsidies to small islands: Sea wrack as a consistent vector.
95. **Kirsten Wilcox**, John Reynolds. From water to wing: How salmon subsidies influence riparian habitat quality for Pacific wrens, an avian insectivore.
96. **Pirmin Nietlisbach**, Lukas F. Keller, Erik Postma. Quantitative genetics of heterozygosity.
97. **Andrea Wishart**, Cory Williams, Andrew McAdam, Stan Boutin, Ben Dantzer, Murray Humphries, Jeffrey Lane. Testing Fisher's principle across generations in North American red squirrels (*Tamiasciurus hudsonicus*).
98. **Anne Worley**, Melissa Pearn, Jessica Guezen, Steven Anderson, Bruce Ford. Short-term limits to reproduction in two species of rewardless slipper orchids (*Cypripedium*): Resources, pollinator abundance, or pollinator preference?
99. **Shahab Zareyan**, Christoph Hauert, Sarah Otto. Self-deception in an evolutionary game.
100. **Jessica Miller**. The role of the accessory glands in sperm competition in a species with alternative reproductive tactics.
101. **Minako Ito**, Emily Adamczyk, Mary O'Connor, Masahiro Nakaoka. Comparisons of seagrass-associated invertebrate communities in native, introduced and mixed seagrass beds at Crescent Beach, BC.
102. **Joseph Burant**, Eva Kok, Anne Dekinga, Theunis Piersma, Kimberley Mathot. Exploratory behaviour in red knots: A tale of ontogeny.
103. **Katie Davidson**, Brian Starzomski, John Reynolds, Rana El-Sabaawi, Morgan Hocking, Chris Darimont. Seaweed subsidies influence island mouse ecology.
104. **Samantha Straus**, Leticia Aviles. Economies of scale: Energetic costs and benefits of group living in a social spider.
105. **Susan Gordon**, Shannon Meadley-Dunphy, Megan Frederickson. Comparing phenologies in a seed dispersal mutualism.
106. **Kimberly Dohms**, Andrew Huan, Mark Drever. Nest searching: How much effort is required?
107. **Felipe Perez-Jvostov**. Morphological responses of tropical stream fishes to anthropogenic habitat alteration.
108. **Desiree Bulger**. Evaluating British Columbia's Artificial Reefs in a Conservation Context.
109. **Sarah Friesen**, Natalie Ban. Incorporating connectivity into marine protected area network planning: The Northern Shelf Bioregion.

110. **Andrew Hendry**, Felipe Pérez-Jvostov. NSERC CREATE in Biodiversity, Ecosystem Services and Sustainability.
111. **Stephanie Blain**, Viviana Astudillo, Sarah Steele, Hernan Lopez-Fernandez. Isolation and connectivity between Geophagus cichlids of the Guiana Shield and bordering basins.
112. **Sophie Johns**, Sarah Otto. Modelling Tasmanian Devil Facial Tumour Disease (DFTD) with aggressive and passive hosts.