

Causes and consequences of invertebrate lower temperature limits

Date 21 Feb (Wed.)

Time 16:00 (UTC+8)

Venue 3N01 & Zoom



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While the effects of climate change on heat exposures are well-documented, on the opposite end of the scale--the cold--there are also significant shifts. Cold tolerance more directly sets range limits than heat tolerance, and winters are shifting in temperature much more rapidly than summer. Yet we still know relatively little about the mechanisms of cold tolerance in many organisms, and even less about the potential for poleward range expansions in invertebrates under climate change. In this talk, I describe some of our recent progress on understanding the evolution and mechanisms of cold tolerance in terrestrial and marine invertebrates, as well as how we can begin to measure population shifts in diverse invertebrate species.



Dr. Katie Marshall is an Associate Professor in the Comparative Physiology group in the Department of Zoology at the University of British Columbia. She completed her PhD at Western University with Brent Sinclair, then held a Killam Postdoctoral Fellowship and NSERC Postdoctoral Fellowship at UBC with Christopher Harley.

All are welcome!