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Geographic and plastic variation in thermoregulation behavior

Geographic variation and acclimation effects on thermoregulation behavior in
the widespread lizard *Liolaemus pictus*

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Abstract

Populations at the warm range margins of the species distribution may be at the greatest risks of extinction from global warming unless they can tolerate extreme environmental conditions. Yet, some studies suggest that the thermal behavior of some lizard species is evolutionarily rigid. During two successive years, we compared the thermal biology of two populations of *Liolaemus pictus* living at the northern (warmer) and one population living at the southern (colder) range limits, thus spanning an 800 km latitudinal distance.

Populations at the two range margins belong to two deeply divergent evolutionary clades.

We quantified field body temperatures (T_b), laboratory preferred body temperatures (PBT),

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