
Reproductive mode evolution and its consequences in a lizard

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Résumé

Being live-bearing or egg-laying is a life-history trait with profound implications for the physiology, ecology, and evolution of a species. Due to its significance, reproductive mode is presumed to be under strong natural selection; however, in practice this is very challenging to infer. Europe's common lizard (*Zootoca vivipara*) presents a rare case in which closely related lineages differ in reproductive mode and even hybridise. We employ both molecular and field-based approaches to investigate the functional genomic basis underlying these alternative reproductive modes. In this talk, I will present some of our recent findings on the evolution and establishment of viviparity, spanning from broad phylogenetic perspective across lineages through to fine-scale individual-level effects.

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