



FALL 2026 HIBERNATION HIGHLIGHTS



Excited to learn how the genome analysis of Daurian ground squirrels reveals specific lipid regulation during hibernation?

Wang et al. [A telomere-to-telomere genome reveals arachidonic acid as a key regulator of hepatic lipid metabolism during hibernation](#). Communications Biology – July 2026

@ Wikipedia



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Interested to discover the fine tuning of daily torpor in hamsters?

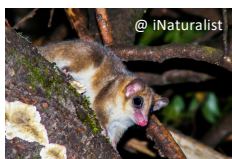
Bal et al. [The transcriptional cortical response to daily torpor in *Phodopus sungorus*](#). Life Science Alliance – July 2026

Check this review synthesizing the state of the art for the neural control of torpor & hibernation - Still a mystery!

Griffith et al. [Neural Control of Homeothermy, Torpor, and Hibernation](#). Annual Review of Neuroscience – July 2026



@ Robert Streiffer



@ iNaturalist

Discover the unique genomic signature from a South American hibernating marsupial coping with environmental fluctuations!

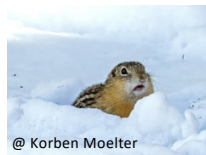
Gonzalez-Ugalde et al. [Frozen and Scorched: Genomic Signatures of Adaptive Divergence and Hibernation in the Living Fossil *Dromiciops*](#). Ecology & Evolution – August 2026

Learn about the exciting life of ground-dwelling squirrels from a genomic perspective!

Mathgen et al. [Genomic insights into fossorial transition, hibernation, and hypoxia adaptation in ground squirrels](#). Communications Biology – August 2026



@ Wikipedia



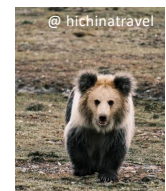
@ Korben Moelter

Meet the conductor of the cardiac function during hibernation.

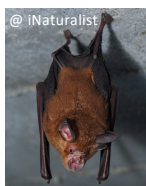
Guo et al. [NDRG2 orchestrates structural and functional adaptation for cardioprotection during mammalian hibernation](#). Protein & Cell – September 2026

What news for the evolutionary signature of the hibernating Tibetan brown bear?

Zhao et al. [Near telomere-to-telomere genome reveals the phylogenomics and hibernation-related evolution in Tibetan brown bear \(*Ursus arctos pruinosus*\)](#). BMC Genomics – September 2026



@ hichinatravel



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Learn how horseshoe bats regulate gene expression in the thermogenic tissue during hibernation!

Liu et al. [Integrated transcriptomic analysis of mRNA and miRNA in Brown adipose tissue of the greater horseshoe bats during hibernation](#). Comparative Biochemistry & Physiology – September 2026

Discover more on the evolutionary shift in torpor in placental mammals

Gorgios Kontopoulos et al. [Lack of Evidence for Gene-Level Convergence Linked to Evolutionary Shifts in Torpor Among Placental Mammals](#). Genome Biology and Evolution – September 2026



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