



WINTER 2025-2026 HIBERNATION HIGHLIGHTS



Learn about complete opposing responses to global warming in two hibernating bat species

Krivek et al. [One Species Hibernates Shorter, the Other Longer: Rapid but Opposing Responses to Warming Climate in Two Sympatric Bat Species](#). *Global Change Biology* – October 2025



Interesting insights from hypothalamic transcriptomes in Arctic ground squirrels

Deal et al. [The transcriptomes of hypothalamic micropunches reveal sex differences in regulatory processes across hibernation in the Arctic ground squirrel](#). *Physiological Genomics* – October 2025

Interested to know more about body condition and life history traits in a hibernator?

Allison et al. [Seasonal body mass dynamics mediate life-history trade-offs in a hibernating mammal](#). *Journal of Animal Ecology* – October 2025



Discover how New Mexico jumping mice optimize their hibernation behavior to survive the winter!

Zahratka et al. [Digging for cold: how temperature and depth determine hibernacula selection for a small mammalian hibernator, the New Mexico Jumping Mouse \(*Zapus luteus*\)](#). *Journal of Mammalogy* – October 2025

Uncover the complex process of erythropoiesis during hibernation

Lizorkina et al. [Features of Erythropoiesis in Long-Tailed Ground Squirrels *Urocyon undulatus* at Arousal from Hibernation](#). *Journal of Evolutionary Biochemistry & Physiology* – November 2025



Telomeres & cognition in edible dormice – How does that work?

Lammert et al. [Telomere length, hibernation, and cognitive function in young edible dormice \(*Glis glis*\)](#). *European Journal of Wildlife Research* – November 2025

Make sure to read this intriguing piece of work on revisited rheostasis in hibernators

Wood. [Perspective: rheostasis revised – hibernation and tanycytes](#). *Journal of Comparative Physiology B* – November 2025



Hibernation Adaptations as great examples of Zoobiquity

Drew. [Hibernation-Inspired Innovations in Biomedicine: Addressing Aging, Chronic Diseases, and Critical Care](#). *Open Biology* – December 2025

Discover how thirsty hibernation can fuel new avenue for human obesity

Johnson et al. [Water scarcity and conservation and their role in obesity in nature and in humans](#). *Journal of Internal Medicine* – December 2025

