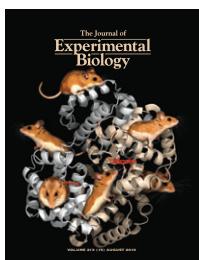


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Cover: In natural populations of deer mice (*Peromyscus maniculatus*), allelic variation in hemoglobin–oxygen affinity plays a key role in physiological adaptation to different elevational zones. In an experimental analysis of oxygen-binding properties, Storz et al. (pp. 2565–2574) discovered the specific biochemical mechanisms responsible for differences in hemoglobin function between populations of mice that are native to different altitudes. Photograph courtesy of Mark Chappell.

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