



**Cover:** New technology constantly opens up possibilities for research in orientation and navigation. Combining different sensors allows especially detailed insights into the behaviour of animals in the wild. Here, an Egyptian fruit bat (*Rousettus aegyptiacus*) is carrying a tag that records movement through acceleration, position via GPS and echolocation with a microphone. In their review, Greif and Yovel (jeb184689) demonstrate how sound recordings on animals can be used to infer a variety of behaviours. This could be vocalisations like echolocation calls (in red), but also wing beat during flight (illustrated with an oscillogram in yellow, confirmed through acceleration recordings in blue). Photo credit: Stefan Greif.

## Special Issue: Linking Brain and Behaviour in Animal Navigation

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