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Cover: Several groups of nocturnal insects have independently evolved ultrasound hearing so that they can detect echolocation calls of approaching bats and evade capture. Amongst the many neuropteran insects, only certain green lacewings (Chrysopidae) were known to share this ability. Holderied et al. (jeb189308) have investigated several members of the large neuropteran family of antlions (Myrmeleontidae; ~2000 species) and discovered that they all respond to ultrasound with similar evasive flight responses. Antlions, however, lack the ear of green lacewings. Where could the unknown antlion ear be located on this microCT false colour image of an adult antlion (*Creoleon irroratus*)? Photo credit: Marc Holderied.

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