



**Cover:** A swarm of female mosquitoes hover near an infected blood meal opportunity. Unprotected wild-type mosquitoes can become infected and transmit harmful pathogen (blue dots), whereas transgenic mosquitoes (illustrated with a protective DNA barrier) are prevented from supporting a pathogen. A gene drive can be used to spread the protective gene into susceptible wild mosquito populations. In their Review, Raban et al. (jeb208181) discuss different types of gene drives that can be used for population control and how they can be used to solve global health problems related to mosquito-borne diseases. Illustration: Stephanie Gamez.

## Special Issue: Genome Editing for Comparative Physiology

Guest Editors: Michael H. Dickinson, Leslie B. Vosshall and Julian A. T. Dow

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