

Video Article

Building a Better Mosquito: Identifying the Genes Enabling Malaria and Dengue Fever Resistance in *A. gambiae* and *A. aegypti* Mosquitoes

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Abstract

In this interview, George Dimopoulos focuses on the physiological mechanisms used by mosquitoes to combat *Plasmodium falciparum* and dengue virus infections. Explanation is given for how key refractory genes, those genes conferring resistance to vector pathogens, are identified in the mosquito and how this knowledge can be used to generate transgenic mosquitoes that are unable to carry the malaria parasite or dengue virus.

Video Link

The video component of this article can be found at <https://www.jove.com/video/233/>

Disclosures

The authors have nothing to disclose.