

Malaria, Mosquitoes and Models

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ABSTRACT:

Malaria is a mosquito-borne disease that is a major threat to human life throughout the tropics. At the moment most mosquito-control strategies involve insecticides. However, worries that mosquitoes are developing insecticide resistance have generated many new ideas about control strategies, some involving mosquito pathogens, others novel genetic techniques. The talk will examine some of these ideas, and show how mathematical and computer modelling is used as a tool to explore which strategies may have the greatest impact in reducing disease burdens.