

真菌医学研究センター Monthlyセミナー

平成30年5月22日(火) 16:30~17:30

千葉大学真菌医学研究センター 大会議室

Wolbachia Aedes aegypti : an alternative strategy in dengue elimination

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Dengue is the most important mosquito-borne viral disease of human with high burden of morbidity and mortality throughout the world.

The Eliminate Dengue Program (EDP) develops a natural approach to reduce transmission of dengue infection by using an intracellular bacterium, called Wolbachia. Wolbachia is naturally found in more than 50% of all arthropod species, however is naturally absent from *Aedes aegypti*, a major vector of dengue infection. By introducing Wolbachia into *Aedes aegypti*, this method demonstrates increasing arthropod's resistance to arboviruses and gives promising evidence to be the alternative dengue vector control.

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