

Graduate Schools
Infection & Immunity and Biology & Medicine

Seminars in Microbiology

Monday, 17 March, 2014

Salle de séminaire 7172, CMU

11:30 – 12:30

Steven Sinkins

Division of Biomedical and Life Sciences,
Lancaster University, UK



Interactions between *Wolbachia* inherited bacteria, mosquitoes and transmitted pathogens

Steven Sinkins published several important papers on the modification of pathogen transmission by mosquitoes infected by the bacterium *Wolbachia*. They showed that introduction of a *Wolbachia* strain into the mosquito *Aedes albopictus* inhibits Dengue virus propagation. *Wolbachia* induces cytoplasmic incompatibility to spread among the mosquito population. In a recent report, Steven Sinkin reported the regulation of a regulator of female meiosis. Further analysis showed that a transcriptional regulator of *Wolbachia*, transfected into the mosquitoes upregulated the female meiosis regulator.

PLoS Pathog. 2013 Oct;9(10):e1003647

Proc Natl Acad Sci U S A. 2012 Jan 3;109(1):255-60

Contact: P.Linder

Sandwiches will be offered after the seminar