

令和 6 年 11 月 25 日

Nov 25, 2024

大学院学生各位

To All Graduate Students

令和 6 年度

## 基盤医学特論 開講通知

### Information on Special Lecture Tokuron 2024

題目 Title :

**Novel forms of dengue control in Singapore,  
and novel means to evaluate it.**

講師 Lecturer :

**Prof. Alex R Cook**

**(Vice Dean, Saw Swee Hock School of Public Health,  
National University of Singapore)**



Dengue is a vector borne viral disease of the tropics and subtropics, but which has an expanding range that puts new populations at risk. Vaccination is not yet widespread, and although vaccines have started to hit the market in the last few years, their use needs to be handled carefully due to risks from antibody dependent enhancement. An alternative, or possibly adjuvant, to vaccination, is the use of Wolbachia-infected mosquitoes to either replace or suppress the wildtype mosquito population. Singapore has recently made huge strides in the deployment of Wolbachia and intends to have the capacity to protect half of residential areas within the next few years through this technology. The roll out of the technology was challenged by difficulties in quantifying its protective effects, since it is a spatial, population-based intervention. In this talk, I will describe one way to evaluate the effect, namely through a new modelling technique called synthetic control.

日時 : 令和 6 年 12 月 20 日 (金) 13:20~14:50

**Time & Date: 13:20~14:50, Friday, December 20, 2024**

場所 : 野依記念学術交流館カンファレンスホール (東山キャンパス)

+ Zoom によるハイブリッド開催

**Room: Noyori Conference Hall (Higashiyama Campus)**

**+ Zoom meeting**

URL: [https://us06web.zoom.us/meeting/register/tZMrcOGgqD4oH91xjiwQKyDkOvXW419\\_yeRp](https://us06web.zoom.us/meeting/register/tZMrcOGgqD4oH91xjiwQKyDkOvXW419_yeRp)

言語 : 英語

**Language: English**

\*上記 URL から参加登録を 12 月 20 日 12 時までに行ってください。

Notice: This lecture requires registration. Please register by 12pm, Dec 20.

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