Special Lecture

日時：2024 年 12 月 20 日（金）13:20 ～ 14:50
Time and Date: 13:20-14:50, December 20th (Friday), 2024

会場：名古屋大学 東山キャンパス 野依記念学術交流館 2F カンファレンスホール
Venue: The Noyori Memorial Conference Hall, Nagoya University (Higashiyama Campus)
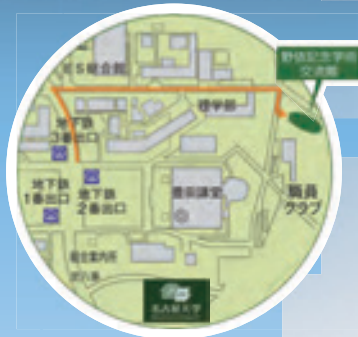
参加費：無料
Free admission

講演言語：英語
Language: English

Participants via Zoom
need to register

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いします。登録後視聴に関するメールが届きます。

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

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.

NUS
National University of Singapore

Speaker : Alex R Cook
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HUMAN DATA

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