Workshop on Mathematical Models for the Study of the Infection Dynamics of Emergent and Re-emergent Diseases in Humans
(22 - 26 October 2007)

Organizing Committee

Chair
Eduardo Massad (University of São Paulo, Brazil)

Co-chairs
Stefan Ma (Ministry of Health, Singapore)
Paul Anantharajah Tambyah (National University of Singapore)

Members
Anthony Kuk (National University of Singapore)
Kah Loon Ng (National University of Singapore)

Overview

There is an urgent need for quantitative tools applied to the infection dynamics of emergent and re-emergent diseases. This program focus on the mathematical models as applied to those classes of infections and is intended to attract the international interest. It is assumed that classical epidemiological methods are very limited to the understanding of the transmission dynamics and, in particulars, for the designing of control strategies.

The program will be structured around workshops designed to bring together researchers from a wide spectrum of mathematical and statistical epidemiology. The main themes to be covered include

- Emerging and re-emerging vector-borne infections
- Emerging and re-emerging directly transmitted infections
- Emerging and re-emerging sexually transmitted infections
- Emerging and re-emerging antibiotic resistant infections

There is a wide avenue open for the development of new methods with enormous potential of application in the field of mathematical and statistical epidemiology. Therefore, this program will join researchers from around the world to integrate and synergize the strengths of mathematics, statistics and epidemiology to the understanding of disease dynamics and to propose control strategies.

Venue

Institute for Mathematical Sciences
National University of Singapore
3 Prince George's Park
Singapore 118402

Registration

Free Admission. Please register online.

For schedule and more information, please visit
http://www.ims.nus.edu.sg/Programs/infectious07/index.htm

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