

# INFECTION 2017

14th Annual Scientific Meeting

## Post-Conference Workshops

### A. Introduction to Geographic Information System (GIS) & Public Health

Faculty	Dr. Ngai Sze WONG, Research Assistant Professor, Stanley Ho Centre for Emerging Infectious Diseases		
Objectives	<ul style="list-style-type: none"><li>○ Understand what GIS can do in public health practice</li><li>○ Develop skills in health/disease mapping</li><li>○ Share experiences in spatial studies</li></ul>		
Primary audience	Doctors, public health professionals, infectious diseases researchers and research support personnel		
Medium of instruction	English		
Requirement	Basic computer skills (especially Excel); bring your own laptop and location data or plan to work on GIS project		
Date	22 September 2017	Time	9:30am – 12:30pm (3 contact hours)
Contents	1. Introduction to GIS and public health		1 hr
	2. Hands-on exercise		0.5 hr
	3. Introduction to spatial analysis methods, tools and online resources for spatial studies		1.5 hr

### B. Introduction to Infectious Disease Modelling

Faculty	Dr. Kin On KWOK, Research Assistant Professor, School of Public Health & Primary Care		
Objectives	<ul style="list-style-type: none"><li>○ Understand key concepts of infectious disease epidemiology</li><li>○ Familiarize with the basic methods for setting up simple infectious disease transmission models using Excel</li></ul>		
Primary audience	Doctors, public health professionals, infectious diseases researchers and research support personnel		
Medium of instruction	English		
Requirement	Basic understanding of excel and a very basic mathematical ability (high/secondary school level); bring your own labtop.		
Date	22 September 2017	Time	2:30pm to 5:30pm (3 contact hours)
Contents	1. Key concepts of infectious disease epidemiology and introduction to simple mathematical model		1.5 hr
	2. A practical session		1.5 hr