



***The Nature of Present and Future Global Health Challenges***

by

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- Date** : July 22, 2016 (Friday)  
**Time** : 11:30 – 13:00  
(*sandwich lunch from 11:30 to 11:45; seminar begins at 11:45*)  
**Venue** : Mrs Chen Yang Foo Oi Telemedicine Centre (MTC), 2/F, William MW Mong Block, LKS Faculty of Medicine Building, 21 Sassoon Road, Pokfulam, Hong Kong

**Abstract:**

Antimicrobial resistance (AMR) can be considered indicative of what global public health challenges in the modern era have become. The core technical issue is that a combination of microbial genetics and widespread use of antimicrobial medicines in human health and agricultural sectors is driving increasingly higher levels of resistance to such medicines among a wide range of pathogens. One immediate consequence is an estimated 700,000 deaths per year associated with such resistance, and projections of up to 10 million death per year by 2050. This seminar will look at the underlying factors contributing to the widespread use and overuse of such antimicrobial medicines, the combined impact of this issue, the breadth of groups and sectors needed to achieve an effective and sustained response to this growing global health security issue, the major challenges of AMR and the options for continued momentum after the high-level meeting at the United Nations General Assembly in September 2016.

**Bio-sketch:**

Dr Keiji Fukuda is Special Representative for Antimicrobial Resistance for the World Health Organization's Director-General. He first joined the WHO as a Scientist in the Global Influenza Programme in 2005, then as Coordinator and Director of the Programme until 2008. Dr Fukuda was subsequently appointed as Assistant Director-General for Health Security and Environment *ad interim* from 2008-2009, Special Adviser on Pandemic Influenza to the Director-General from 2009-2010, and as Assistant Director-General for Health Security from 2010-2015. More recently he has



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focussed on getting the global health threat posed by antimicrobial resistance on the UN General Assembly agenda. Dr Fukuda has extensive public health and research experience working on influenza. He has helped shape the global approach to pandemic preparedness, strengthened surveillance, and played an instrumental role in facilitating intergovernmental discussions over the sharing of influenza viruses and related benefits. Before joining the WHO, Dr Fukuda was Chief of the Epidemiology Unit, Influenza Branch at the Centers for Disease Control and Prevention in the United States. He is a physician and received his BA from Oberlin College, MD from the University of Vermont and MPH from the University of California, Berkeley.

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