

National Taiwan University Week

**Date: December 10, Friday
at 15:00-17:30 Japan Time**

**This seminar will be held
using ZOOM Meeting**



國立臺灣大學
National Taiwan University

KUSPH has a strong academic collaborative relationship with National Taiwan University College of Public Health (NTUCPH). Through our double degree program, we have been receiving students from NTU. In this Short Course, we will introduce the institutes of NTUCPH and a special lecture by the professors at NTUCPH.

Schedule

- 15:00-15:05 Opening Remark by Prof. Takeo Nakayama, KUSPH
- 15:05 - 15:35 A Brief Overview of NTU College of Public Health
Speaker: Associate Dean Chuhsing Kate Hsiao
- 15:35 - 15:50 Q&A
- 15:50 - 16:20 Lecture by Prof. Chi-Tai Fang
Topic: Mathematical Modeling of Infectious Diseases
- 16:20 - 16:30 Q&A

Registration required. Please register from below:
<https://customform.jp/form/input/93356/>

Organized by:
Internationalization Promotion Office, Kyoto University
School of Public Health, <http://sph.med.kyoto-u.ac.jp/en/>



Speakers



**Associate Dean
Chuhsing Kate Hsiao**
National Taiwan
University

Topic: Introduction to NTU
College of Public Health

The College of Public Health is a mini-National Taiwan University itself, with teaching and research activities involving disciplines not only in natural and biological sciences but also in humanities and social sciences. The essence of public health dictates that we are concerned greatly about the health rights of the people and pursue the ultimate goal of health for all. Our endeavors have been focused on disease prevention and health promotion, environmental protection and sustainable development, and the operating and management of health care industry.



Prof. Chi-Tai Fang
National Taiwan University
Topic: Mathematical
Modeling of Infectious
Diseases

Transmission of infectious diseases involves multiple microbial, host, and behavior factors in dynamic processes. Models, which provide a simplified, abstract view of the complex reality in precise mathematical language, serve as the conceptual tools that explain how a system of objects behave. Mathematical modeling of infectious diseases is required to retrospectively assess impacts of public health interventions. Moreover, modeling can foresee different futures unfolded across different courses of alternative public health actions, and thus enable policymakers to make the right decision at the present moment. I will use the COVID-19 pandemic as an example to illustrate the essential role of mathematical modeling in formulating a successful pandemic response for this unprecedented threat.