



2024.7.29-30  
10:00-12:00, 14:00-16:00



Room 505+Online Meeting,  
Cosmology Building, NTU



# 2024 NCTS Summer Course on Mathematical Biology

## Speakers

**Naveen K. Vaidya**  
San Diego State University

**Wei-Ting Hung**  
National Taiwan University

## Organizers

**Feng-Bin Wang**  
Chang Gung University

**Chang-Hong Wu**  
National Yang Ming  
Chiao Tung University

**Chang-Yuan Cheng**  
National Kaohsiung  
Normal University

## Course Background & Purposes

The brain is a critical reservoir of HIV (Human Immunodeficiency Virus), causing viral persistence under antiretroviral therapy, mainly because the blood-brain barrier (BBB) poses an obstacle to the entry of antiretroviral drugs into the brain. In this summer course, we will introduce mathematical models describing the dynamics of HIV. We will also discuss how the fitting of the developed models into experimental data in humans and monkeys can be used to validate the models and estimate model parameters. Besides, the Tumor evolution will also be introduced in this summer course.



Registration



More  
information

### Contact

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