



The Chinese University of Hong Kong
Faculty of Medicine
Department of Microbiology

Certificate Course in Medical Microbiology 13 June – 26 June 2024

Date / Time	Location	Venue: Pathology Teaching Laboratory, 1/F, Lui Che Woo Clinical Sciences Building, Prince of Wales Hospital (Old Block), Hong Kong
13 June, Thursday		
Arrival		
14 June, Friday		
09:00 – 09:30	Student Lab	Welcome and Introduction (Prof Mamie HUI)
09:30 – 11:15	Student Lab	Clinical Specimens and Investigative Procedures (Prof Raphael CHAN)
11:15 – 11:30		
Break		
11:30 – 12:30	Student Lab	Impact of Technology – Can Other Methods Replace Conventional Microbiological Culture? (Dr Thomas LING)
12:30 – 14:00		
Lunch		
14:00 – 15:30	Student Lab	Quality Management and Accreditation in the Clinical Laboratory (Prof Thomas WAN)
15:30 – 15:45		
Break		
15:45 – 17:30	Student Lab	Presentation by Participants (Moderator: Prof Mamie HUI)
15 June, Saturday		
09:15 – 10:15	Student Lab	Antibiotic Resistance – Public Health Perspective (Dr Alf CHU)
10:15 – 12:30	Student Lab	Workshop: Clinical Mycology (Ms Evon CHAR)
Afternoon		
To Be Announced		
16 June, Sunday		
Free		
17 June, Monday		
09:15 – 10:45	Student Lab	Introduction to human tumour viruses and viral carcinogenesis. (Prof Siaw Shi BOON)
10:45 – 11:00		
Break		
11:00 – 12:30	Student Lab	Treatment strategies for oncoviruses and oncolytic therapy. (Prof Siaw Shi BOON)
12:30 – 14:00		
Lunch		
14:00 – 15:30	Student Lab	Approaches in Diagnostic Virology (Prof Paul CHAN)
15:30 – 15:45		
Break		
15:45 – 17:30	Student Lab	Essential Epidemiological Concepts in Microbiology (Prof Paul CHAN)
18 June, Tuesday		
09:15 – 10:45	Student Lab	Drug Resistant <i>Streptococcus pneumoniae</i> (Prof Margaret IP)
10:45 – 11:00		
Break		
11:00 – 12:30	Student Lab	Antibiotic Resistance (Prof Julia LING)
12:30 – 14:00		
Lunch		
14:00 – 17:30	Student Lab	Workshop: Parasitology (Dr River WONG)
19 June, Wednesday		
09:15 – 10:45	Student Lab	Infection Control (Dr Kitty FUNG)
10:45 – 11:00		
Break		

11:00 – 12:30	Student Lab	Tracing the Origin of Historical Pandemics (Prof Sishuo WANG)
12:30 – 14:00		Lunch
14:00 – 15:30	Student Lab	Faecal Microbiota Transplantation (Prof Rita NG)
15:30 – 15:45		Break
15:45 – 17:30	Student Lab	Gut Microbiome and Neurodevelopmental Disorders (Prof Rita NG)
20 June, Thursday		
09:15 – 10:45	Student Lab	Approaches in Development of Novel Antimicrobials (Prof Xiao YANG)
10:45 – 11:00		Break
11:00 – 12:30	Student Lab	Emerging Infectious Diseases Dr Tony NG)
12:30 – 14:00		Lunch
14:00 – 15:30	Student Lab	Principles and Tools of Next Generation Sequencing (Prof Zigui CHEN)
15:30 – 15:45		Break
15:45 – 17:30	Student Lab	Workshop: Application of Sequencing and Bioinformatics (Prof Zigui CHEN)
21 June, Friday		
09:15 – 10:45	Student Lab	Making Sense in Clinical Microbiology (Dr Tony NG)
10:45 – 11:00		Break
11:00 – 12:30	Student Lab	Surveillance of Infectious Diseases (Dr Tony NG)
12:30 – 14:00		Lunch
14:00 – 15:30	Student Lab	<i>Mycobacterium tuberculosis</i> (Dr Peter YIP)
15:30 – 15:45		Break
15:45 – 17:30	Student Lab	Part I: Application of Machine Learning and New Diagnostic Technologies in Clinical Microbiology (Prof Christopher LAI) Part II: The Microbiome, Antimicrobial Resistance, and Drug Interactions (Prof Christopher LAI)
22 June, Saturday		
09:15 – 10:45	Student Lab	Infectious Disease Outbreak Management (Dr Tony NG)
10:45 – 11:00		Break
11:00 – 12:30	Student Lab	Clinical Microbiology Service in Practice (Dr Tony NG)
Afternoon		Free
23 June, Sunday		Free
24 June, Monday		
09:15 – 10:45	Student Lab	Basics in Microbial Phylogenetics (Prof Sishuo WANG)
10:45 – 11:00		Break
11:00 – 12:30	Student Lab	Introduction to Unsupervised Machine Learning in Microbiome Research (Prof Sishuo WANG)
12:30 – 14:00		Lunch
14:00 – 15:00	Student Lab	Assessment (Mr L Y LAM)
15:00 – 15:30	Student Lab	Course Evaluation (Prof Christopher LAI)
15:30 – 15:45		Break
15:45 – 16:45	Student Lab	Research Collaboration and Sharing Session (Prof Christopher LAI)
16:45 – 17:30	Room 38069	Closing Ceremony and Certificate Presentation (Prof Zigui CHEN, Acting Chairman)
25 June, Tuesday		
08:45 – 18:00	JC School of Public Health Building	INFECTION 2024 (SH Ho Research Centre for Infectious Diseases 20th Annual Scientific Meeting)
26 June, Wednesday		
		Checkout and Farewell

THE END