



醫院管理局  
HOSPITAL  
AUTHORITY

Infectious Disease Control  
Training Centre  
傳染病控制培訓中心

Co-organized by Infectious Disease Control Training Centre, Hospital Authority (HA IDCTC)/  
Infection Control Branch (ICB), Centre for Health Protection (CHP) and  
Chief Infection Control Officer's Office, HA



衛生防護中心  
Centre for Health Protection

Infection Control Branch  
感染控制處



**Webinar on  
11 November 2022**

## Advancement in Molecular Diagnosis in Infectious Diseases

### Objectives

- Advances in molecular epidemiology, such as whole genome sequencing in fields of epidemiology and public health
- Novel rapid diagnostics e.g. point-of-care tests and their application in management of emerging infectious diseases
- Latest development in diagnostics for antimicrobial resistance control
- Integration of new technologies into laboratory operation

### Target Audience

- Medical staff of related specialties including Infectious Disease, Clinical Microbiology, Intensive Care Unit, Pathology, Paediatrics, Medicine, A&E, Public Health, Community Medicine and Family Medicine and other physicians who are interested in the subjects
- Infection control nurses and other healthcare professionals who are involved in infection control
- Laboratory related professionals who may be involved in the adoption of these latest developments

### Venue

Web-based: Zoom Webinar

### CME / CNE / CPD

Pending

CME/CNE/CPD points would only be granted to the pre-registered participants who access the forum by the unique webinar link provided upon successful enrolment.

### Enquiries

Miss Cherry HO 2125 2916

Miss Queenie LAW 2125 2933 (for HA staff)

Miss C L WONG 2125 2648 (for DH staff & Private Hospital)

### Application Channel

Enrollment via

- Cluster Training Coordinator (for HA staff)
- Service Coordinator (for DH staff)
- ICO/ICN/HR staff (for Private Hospital staff)

### Composition of Organizing Committee

**Dr CHEN Hong**

Consultant i/c, HA IDCTC/ Head ICB CHP

**Dr Raymond LAI**

Chief Infection Control Officer, HA Head Office

**Dr Owen TSANG**

Consultant (M&G), Princess Margaret Hospital/  
Medical Director HA Infectious Disease Centre

**Dr Cindy TSE**

Chief of Service (Path), Kwong Wah Hospital (KWH) / TWGHs  
Wong Tai Sin Hospital / Our Lady of Maryknoll Hospital & Chief  
Infection Control Officer Kowloon Central Cluster/ Infection Control  
Officer KWH and representative from COC (Path)

**Dr Sally WONG**

Consultant (Path), Hong Kong Children Hospital/  
Infection Control Officer/ Dep. Hospital  
Coordinator(Q&S)/ Consultant(Path), Queen  
Elizabeth Hospital

**Dr Leo LUI**

Associate Consultant, HA IDCTC/ ICB CHP

**Mr Anthony NG**

Senior Nursing Officer, HA IDCTC/ ICB CHP



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## Advancement in Molecular Diagnosis in Infectious Diseases

09:00 Welcome address



**Dr Leo LUI**  
Associate Consultant, HA IDCTC/ ICB CHP

AM  
Session

**Recent Developments in Molecular Microbiology**

**Moderator Dr Leo LUI**  
Associate Consultant, HA IDCTC / ICB CHP

09:05 Principles and Practice of molecular microbiology  
in clinical care and public health



**Prof Rosanna PEELING**  
Professor and Chair, Diagnostics Research and Director, International  
Diagnostics Centre London School of Hygiene and Tropical Medicine, UK

09:50 Diagnostic stewardship aspects of rapid diagnostics



**Dr Shawn VASOO**  
Clinical Director, National Centre for Infectious Diseases (NCID) / Head,  
Infectious Disease Research Laboratory / Senior Consultant, Department  
of Infectious Diseases, Tan Tock Seng Hospital, Singapore

10:35 Discussion Session

10:50 Break

**Moderator Dr Cindy TSE**  
Chief of Service (Path), Kwong Wah Hospital (KWH) / TWGHs Wong Tai Sin Hospital/  
Our Lady of Maryknoll Hospital & Chief Infection Control Officer Kowloon Central  
Cluster/ Infection Control Officer KWH and representative from COC (Path)

11:00 Integration of rapid diagnostics into laboratory  
operation



**Dr Christopher LAI**  
Assistant Professor (Clinical), Department of Microbiology,  
Faculty of Medicine, Chinese University of Hong Kong

11:45 Experience Sharing on Overseas Training on  
Genomics and Clinical Microbiology



**Dr May LEE**  
Consultant (Path), Tseung Kwan O Hospital (TKOH) /  
Infection Control Officer, TKOH / Haven of Hope Hospital

12:30 Discussion Session

12:45 Lunch

PM  
Session

**Applications of Molecular Microbiology in  
Epidemiology Investigation and Emerging Infections**

**Moderator Dr Owen TSANG**  
Consultant (M&G), Princess Margaret Hospital/  
Medical Director HA Infectious Disease Centre

14:00 Application of Whole Genome Sequencing –  
COVID-19 and beyond



**Dr Gilman SIU**  
Associate Professor, Department of Health Technology and Informatics,  
The Hong Kong Polytechnic University

14:45 Development of molecular assays for parasitic diseases  
and vector-borne pathogens



**Prof Bobbi S. PRITT**  
Director, Clinical Parasitology Laboratory, Department of Laboratory  
Medicine and Pathology, Mayo Clinic, USA

15:30 Discussion Session

15:45 Break

**Moderator Dr Sally WONG**  
Consultant (Path), Hong Kong Children Hospital/ Infection Control Officer/  
Dep. Hospital Coordinator (Q&S)/ Consultant (Path), Queen Elizabeth Hospital

16:00 Identifying resistome to tackle antibiotic resistance



**Prof Margaret IP**  
Professor, Department of Microbiology,  
The Chinese University of Hong Kong / Honorary Consultant,  
Department of Microbiology, Prince of Wales Hospital

16:45 Clinical utility of Target Amplicon Sequencing for  
rapid diagnosis of drug-resistant Tuberculosis



**Dr WC YAM**  
Honorary Associate Professor, Department of Microbiology,  
The University of Hong Kong

17:30 Discussion Session

END