

# The Microscopic Eye: Rediscovering Morphology in the Age of MALDI-TOF

**Antonio Ngan**  
**Medical Technologist**  
**Hospital Authority**



**DATE: 3 November 2025 (Monday)**

**TIME: 7:00 pm - 8:00 pm**

**VENUE: LT-7 Lily Chiang Lecture Theatre, Yeung Kin Man Academic Building, CityUHK**

## *Synopsis:*

Despite the technological advances of MALDI-TOF and other rapid microbiological techniques, morphology remains an indispensable tool in clinical microbiology, especially in blood culture-positive smears. This seminar draws from real-world diagnostic experiences to emphasize how morphological assessment continues to inform and shape patient management with precision and urgency.

Participants will explore:

- High-impact morphological clues that aid early identification of critical pathogens such as *Listeria monocytogenes*, *Brucella* spp., and *Trichosporon* spp.
- Morphology-guided decision making—how familiarity with bacterial shapes prevents misreporting and enhances clinical accuracy.
- Integrating rapid tests like India ink, urine antigen, and multiplex PCR platforms to complement morphology-based hypotheses.
- Alert-worthy organisms and rare but essential finds such as *Nocardia* and *Talaromyces marneffe*.
- Discerning true pathogens from contaminants—a vital step in avoiding overdiagnosis and improper treatment.

With case examples, this session showcases how classical microscopy remains relevant, sharp, and essential in an increasingly automated landscape.

**ALL ARE WELCOME!**

**REGISTER NOW!**

