

MALDI-TOF MS in Clinical Microbiology: From Routine Identification to Emerging Applications

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Abstract

MALDI-TOF MS has transformed routine microbial identification by providing rapid, accurate, and cost-effective results. This seminar will review its clinical applications in bacterial and fungal identification, with particular attention to difficult-to-identify and rare microorganisms, workflow optimization, and rapid identification directly from positive blood cultures. Emerging approaches to antimicrobial resistance characterization and rapid phenotypic antimicrobial susceptibility testing will also be discussed, together with their current limitations and future potential. Practical considerations for implementing MALDI-TOF MS in the clinical microbiology laboratory will be highlighted.

REGISER NOW!



6:30 pm - 7:30 pm, 7 August 2026 (Friday)



Herbalgy Lecture Theatre (LT401), Bank of
China (BOC) Complex, CityUHK



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