

INSTITUT PASTEUR COURSE - EDUCATION CENTER

Medical Mycology Course

Institut Pasteur, Paris, March 24 - April 18, 2025

The 2025 Medical Mycology Course (on-site Institut Pasteur campus, Paris) is intended for microbiologists (MDs, PharmDs, PhDs & veterinarians) who want to stay up to date on the latest developments in diagnosis and identification techniques and the fundamentals of therapy for invasive fungal diseases (IFD).

Lectures, laboratory sessions, and interactive panel discussions will be conducted in English, covering various technical and medical aspects related to pathogenic fungi

LABORATORY TECHNIQUES

Choice of media, mount preparation, slide cultures, strain preservation, molecular diagnosis & identification (PCR, qPCR, sequencing, MADLI-TOF), typing techniques (microsatellite, MLST), antifungal susceptibility testing (CLSI/EUCAST broth microdilution methods, commercially available tests), antigen/antibody detection, histopathology.

FUNGAL BIOLOGY & ANTIFUNGAL PHARMACOLOGY

Asexual and sexual reproduction, taxonomy and databases, phylogeny, WGS approaches. Antifungal drugs spectrum of action & pharmacokinetics/dynamics, antifungal resistance, the role of the laboratory in diagnosing and monitoring patients.

IN CLINICAL PRACTICE

Pathogenic concepts, epidemiology, outbreak investigations, diagnostic criteria for IFDs, principles of therapeutic management, practical guidelines and discussion of clinical cases

Practical information:

Deadline for application: December 8, 2024

Attendees: 20 students

Contact: enseignement@pasteur.fr

Co-directors:

Dea Garcia-Hermoso

Olivier Lortholary

Head of practical sessions:

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Online registration:

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