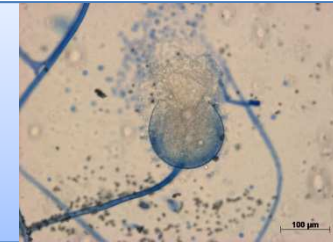




Medical Mycology Course 2018

Institut Pasteur - Paris

5th -30th March 2018



DIRECTORS: Françoise Dromer & Olivier Lortholary

HEAD of STUDIES: Dea Garcia-Hermoso

Language: English

Audience: Microbiologists (MDs, PhDs & veterinarians)

Requirements: Previous practice in medical mycology lab (> 1 year experience)

Lectures, bench sessions & informal panel discussions will cover various aspects

TECHNICAL: choice of media, slide cultures, storage of isolates, molecular diagnosis and identification (PCR, qPCR, sequencing, MALDI-TOF), typing techniques (microsatellite, MLST), antifungal susceptibility testing (CLSI/EUCAST microbroth dilution methods, commercially available tests), antigen/antibody detection, histopathology

PRACTICAL: spectrum of action and pharmacokinetics/dynamics of antifungal drugs, role of the laboratory in the diagnosis and monitoring of patients (direct examination, histopathology, antigen detection, antifungal susceptibility testing results, qPCR...), use and limitation of public and specific databases for molecular identification, discussion of clinical cases

FUNGAL: sexual and asexual reproduction, phylogeny, species identification, resistance mechanisms

MEDICAL: epidemiology, diagnostic criteria for infections due to common and emerging yeasts or filamentous fungi (including invasive and mucocutaneous infections, endemic mycoses), principles of therapeutic management, practical guidelines

Lectures: M. Arendrup (Denmark), T. Boekhout (The Netherlands), S. Bretagne (France), T. Calandra (Switzerland), M. Cuenca-Estrella (Spain), C. d'Enfert (France), J. Dupont (France), F. Dromer (France), J.-P. Gangneux (France), D. Garcia-Hermoso (France), J. Guillot (France), R. Hay (UK), V. Jullien (France), G. Jouvion (France), F. Lanternier (France), F. Lamothe (Switzerland), O. Lortholary (France), J. Maertens (Belgium), P. Munoz (Spain), M. Richardson (UK), V. Robert (The Netherlands), D. Sanglard (Switzerland), A. Stchigel (Spain), P. Verweij (The Netherlands), J. Quintin (France).

Number of students: 20

Closing-date for applications December 15th, 2017

<https://www.pasteur.fr/fr/mycologie-medicale>