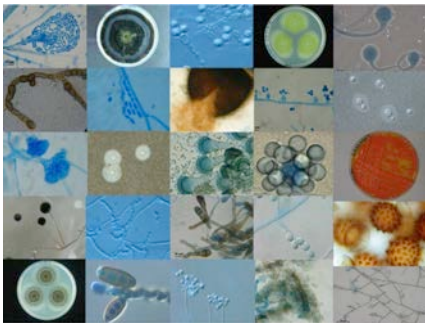


# Institut Pasteur COURSE Medical Mycology

## Paris, March 30 to April 24, 2015



### Directors

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Molecular Mycology Unit, French National Reference Centre for Invasive Mycoses and Antifungals, INSTITUT PASTEUR

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### Head of studies

#### **Dea GARCIA HERMOSO**

Molecular Mycology Unit, French National Reference Centre for Invasive Mycoses and Antifungals, INSTITUT PASTEUR

This four-week course is intended for microbiologists (MD, PhD, VetD) already practicing medical mycology in hospital laboratories to catch up with the most recent advances in diagnosis, identification procedures and principles of therapy for fungal infections.

Training is provided in English through lectures, bench sessions and informal panel discussions and will cover :

**Technical aspects** : 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 aspects** : 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 ...), limitation and use of public and specific databases for molecular identification, discussion of clinical cases.

**Fungal aspects** : sexual and asexual reproduction, phylogeny, species identification, resistance mechanisms.

**Medical aspects** : Pathogenic concepts, epidemiology, diagnosis 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.

see more at:

[www.pasteur.fr/course/mycology](http://www.pasteur.fr/course/mycology)

Closing date for application :  
Nov 15<sup>th</sup>, 2014

[www.pasteur.fr/inscription/](http://www.pasteur.fr/inscription/)

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Institut Pasteur  
centre d'enseignement



Tuition fees  
Students 675€  
Self financing 1349€  
Continuing education 2700€