

INSTITUT PASTEUR COURSE - EDUCATION CENTER

# Tuberculosis

Institut Pasteur, Paris, June 15-26, 2020

This **two-week** course is intended for medical doctors, veterinarians, directors of clinical mycobacteriology laboratories, pharmacists and research scientists wishing to acquire an up to date knowledge on tuberculosis and the practice of molecular methods for diagnosis, drug susceptibility testing and epidemiology. This full-time course is composed of lectures by international scientists and a practical training workshop.

## Lectures:

Global and molecular epidemiology; evolution; immune responses; TB vaccines; HIV co-infection; pediatric tuberculosis; antibiotic resistance, multidrug-resistance (MDR) and extensive drug resistance (XDR); rapid diagnosis and drug susceptibility tests; anti-TB treatments including MDR-TB and XDR-TB; non-tuberculosis mycobacteria; Whole Genome Sequencing.

## Practical workshop:

GenoType® MTBDRplus and MTBDRsl; GeneXpert; Gene target sequencing; MIRU/VNTR typing; Introduction to bioinformatics and Whole Genome Sequencing.

## Scholarships:

A few scholarships to the course have been made possible by a grant from CEPHEID. See web site for details.

## Online registration:

[www.pasteur.fr/en/tuberculosis](http://www.pasteur.fr/en/tuberculosis)

**Director:** Howard Takiff

**Honorary director:** Brigitte Gicquel

## Practical information:

**Deadline for application:** February 15, 2020

**Attendees:** 24 students max

**Contact:** [enseignement@pasteur.fr](mailto:enseignement@pasteur.fr)

[WWW.PASTEUR.FR/EN/EDUCATION](http://WWW.PASTEUR.FR/EN/EDUCATION)