

# Titre: Human genetics of infectious diseases

Heads: A. Cobat, E. Jouanguy

**Effectives:** 20

**Language:** English

**Prerequisites:** Basis in genetics and immunology

## Where?

INEM – Necker medical faculty  
156 rue de Vaugirard – 75015  
Paris. To be confirmed

## Evaluation:

Written exam, 3h.

## Questions:

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**Number ECTS:** 3

**Total numbers of hours:**  
27

**Teaching format:**

Conferences

## Teaching objectives

- Understand the methods used to identify the genetic determinants of infectious diseases
- Understand the genetic spectrum of predisposition to infectious diseases
- Understand the biological, medical and therapeutic implications

## Teaching outline

- Introduction to the Human genetic theory of infectious diseases
- Methods to identify inborn errors of immunity (patient-based vs. cohort-based approaches)
- From rare to common genotypes and infections
- Latest breakthrough
- Therapeutic implications