



Human Evolutionary Genetics

Evelyne Heyer & Lluís Quintana-Murci

Effectives: 30

Language: English

Prerequisites:

Students must have a master 1 in biology, ecology or demography, or an equivalent medical degree

Where?

Musée de l'Homme
17 place du Trocadéro
Paris 16e

When?

November 14-18

Evaluation:

3 hours exam with documents

Questions:

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Number ECTS: 3

Total numbers of hours:
30 hours

Teaching format:
conferences

Teaching objectives

To provide students with theoretical and empirical knowledge on the evolution of our species and its genetic diversity.

To understand advanced methods in molecular and population genetics applied to human evolution.

Teaching outline

- Introduction to genomic data
- A genetic and paleoanthropological view of human origins
- Evolutionary and cultural forces shaping human genomic diversity
- Neutral diversity and demography inference
- Natural selection at a genome-wide scale
- Evolution and infectious diseases
- Genetics of infectious diseases and human migrations
- Human genetics and evolutionary medicine