15-19th November 2021

Effectives: 30
Number of hours: 30
Teaching langue: English
Location: Musée de l'Homme, Paris

SCIENTIFIC HEAD

Evelyne Heyer
Professor MNHN
heyer@mnhn.fr

Lluis Quintana-Murci
Professor Institut Pasteur
quintana@pasteur.fr

PUBLIC AND REQUIREMENTS

Students must have a master I in biology or an equivalent medical degree.

REGISTRATION FEES

Individual: 300 €
Public sector: 600 €
Private sector: I200€
MNHN employees: free
Students: free

Institut Pasteur

MUSÉUM NAL HIST NATURELLE

COURS MUSEUM

HUMAN EVOLUTiONARY GENETiCS

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 OUTLINES

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

TARGETED SKILLS

Use of genetic data for:
- tracing the demographic history
- test natural selection
- infer kinship systems