



COURS MUSÉUM

Human Evolutionary Genetics

Date: 3-8th of December 2018

Effectives: 30

Number of hours: 30 hours

Language: English

Head:

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Prerequisites:

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

Registration fees:

Free for master students and
PhD students.

100€ for individual training,

400€ for public sector,

800€ for private sector.

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



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