

Advanced Biology Course — Epidemiology

Quantitative methods in epidemiology

Sept 16 to Dec 16, 2026
Wednesday, 17h15 to 19h15
at CdF (18 rue de l'Estrapade 75005)



Samuel Alizon (CNRS, Paris) – co-coord.

Modelling the epidemiology of sexually transmitted infections using large databases



Kévin Jean (ENS, Paris) – co-coord.

How to assess the co-benefits for human health of climate change mitigation and adaptation policies



Noémie Lefrancq (ETH Zürich, Basel)

Infectious disease epidemiology using genomics from clinical and wastewater data



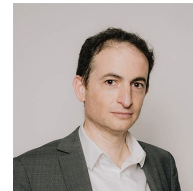
Mélanie Prague (INRIA, Bordeaux)

Methods for population mechanistic models: Application to within host virus and immune dynamics in vaccination studies



Noémie Letellier (INSERM, Rennes)

Leveraging causal inference in epidemiology to assess the health impacts of climate change



Rémy Slama (INSERM, Paris)

Measurement error in exposures: consequences in association studies and some possible cures



Pierre Masselot (LSTHM, London)

Time series analysis for environment-related health outcomes



Jeanne Tamarelle (CNRS, Paris)

Analyzing the microbiome: from sequencing to biostatistics



Camille Pelat (Santé Publique France)

Introduction to disease mapping and spatial modelling with R



Anna Zhukova (Institut Pasteur, Paris)

Analyzing large virus datasets with maximum-likelihood and deep-learning-based phylodynamics

