



Basics In Genomic epidemiology - BIGGY

From October 14th to November 16th, 2022 (18 hours) **Location :** Carreire Campus-University of Bordeaux

Training fees :

Individual participation: €450

Institutional participation : €900

Instructors and coordinators:

- Stéphanie DEBETTE (Coordinator)
- Aniket MISHRA
- David-Alexandre TRÉGOUËT
- Gaëlle MUNSCH
- Omar SOUKARIEH
- Quentin LE GRAND

Objectives

- › Discover the basics of genetic epidemiology together with some recent advanced concepts
- › To be able to conduct a Genome Wide Association Study (GWAS) from data quality control till the identification of the most plausible causal variants/genes
- › Learn about additional and complementary approaches that go beyond DNA analysis and explore other molecular phenotypes

Module Program

- › J1.1 From genes to proteins, and beyond
- › J1.2 Basic concepts in genetic association studies
- › J2.1 Genome Wide Association Studies (GWAS)
- › J2.2 Beyond GWAS results
- › J3.1 Genomics as a tool to explore causality
- › J3.2 My first GWAS in practice

Requirements

Basics in statistical tests and regression analysis

Basics in R (recommended for the last session)