



Joint models for time-to-events and longitudinal markers - JOINTMOD

From June 15th to June 17th, 2022 (18 hours)

Location: Carreire Campus-University of Bordeaux

Training fees :

Individual participation: €450

Institutional participation : €900

Instructors and coordinators :

- Hélène JACQMIN-GADDA (Coordinator)
- Anaïs ROUANET
- Cécile PROUST-LIMA
- Quentin LE COËNT
- Viviane PHILIPPS
- Virginie RONDEAU

Objectives

- › Identify situations in which joint and frailty models are useful
- › Understand the principles of these models distinguishing pros and cons of each approach
- › Know how to estimate these models with R packages
- › Know how to interpret the results of joint shared random effect models, joint latent class models and frailty models

Module Program

- › Introduction to joint modeling of a quantitative longitudinal marker and a censored survival time
- › Joint shared random effect models - Practice with the R-package JM
- › Joint latent class models - Practice with the R-package LCMM
- › Joint frailty model for repeated events and terminal events - Practice with the R-package Frailtypack

Requirements

Knowledge and practice of mixed models and standard time-to-event analyses, basic knowledge of the R software