



# Recent advances in statistical analysis of survival data

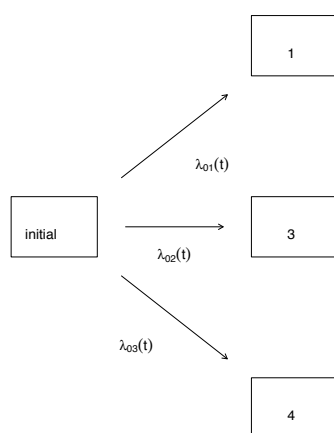
**REGISTRATION DEADLINE: March 6, 2020**

**ORGANIZERS:** Hélène JACQMIN-GADDA (Inserm U1219, Bordeaux), Aurélien LATOUCHE (Inserm U900/Cnam, FRA), Virginie RONDEAU (Inserm U1219, Bordeaux)

**AIMS:** Over the past ten years, new methods have been developed for the analysis of complex survival data that were made available through free software. The objective of this workshop is to present and discuss these methods and illustrate their use on data from health research.

## ● ● ● PHASE I – CRITICAL ASSESSMENT

May 13-15, 2020 - Bordeaux



### INTRODUCTION TO SURVIVAL ANALYSIS

Per ANDERSEN (University of Copenhagen, DNK)

### HIGH DIMENSIONAL SURVIVAL DATA

Thomas GERDS (University of Copenhagen, DNK), Agathe GUILLOUX (Paris-Saclay, FRA)

### MULTI-STATE MODELS

Hein PUTTER (Leiden University, NLD), Jan BEYERSMAN (Ulm University, DEU), Christopher JACKSON (MRC Laboratory of Molecular Biology, GBR), Aurélien LATOUCHE (Inserm U900/Cnam, FRA)

### CAUSALITY IN SURVIVAL ANALYSIS

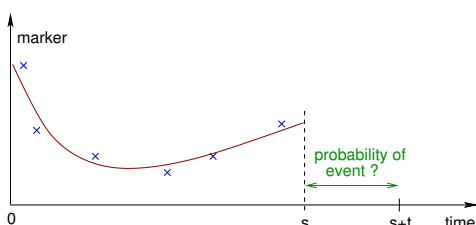
Kjetil ROYSTLAND (University of Oslo, NOR), Jan DE NEVE (Ghent University, BEL)

### RECURRENT EVENTS

Jennifer ROGERS (University of Oxford, GBR), Richard COOK (University of Waterloo, CAN), Virginie RONDEAU (Inserm U1219, FRA)

### JOINT MODELS FOR TIME-TO-EVENT AND LONGITUDINAL MARKERS

Mickael CROWTHER (University of Leicester, GBR), Dimitris RIZOPOULOS (Erasmus Medical Center Rotterdam, NLD), Loïc FERRER (Sophia Genetics, FRA), Jessica BARRETT (Medical Research Council, GBR), Cécile PROUST-LIMA (Inserm U1219, FRA)



## ● ● ● PHASE II – TECHNICAL WORKSHOP

September 21-23, 2020 - Bordeaux

The objective is to allow participants to have practical experience for some methods discussed in Phase I using freely available R packages. The following will be discussed:

- Joint modeling of longitudinal and time to event data under a bayesian approach: R package JMBayes; Speakers: Dimitris Rizopoulos & Greg Papageorgiou (Rotterdam, The Netherlands)
- General frailty models for correlated and recurrent time-to-event: R package FRAILTYPACK; Speakers: Virginie Rondeau & Denis Rustand (Bordeaux, France)
- Multi-state modelling: R package MSM; Speaker: Christopher Jackson (Cambridge, UK).

**SELECTION:** 20 trainees will be selected among Phase I participants.

Information and registration:  
ateliers@inserm.fr