11:00-12:30   Invited Session 5 (Main Room)

Machine Learning Algorithms for Survival Analysis

(Chairs: Michal Abrahamowicz, Dimitris Rizopoulos)

How to leverage the success of ChatGPT for longitudinal and time-to-event data

Harald Binder (University Medical Center, Germany)

Large language models (LLMs), such as GPT, contain considerable information on biomedical relations. In particular, these models excel in extrapolating sequences of events. I will demonstrate how typical longitudinal and time-to-event data can be transformed to leverage the sequence information in LLMs to improve prediction performance and generate realistic synthetic data.