Biostatistics seminars

January 2023

« Continuous-time mediation analysis for repeated mediators and outcomes » Kateline Le Bourdonnec, *PhD student, BPH SISTM team, Bordeaux*

« Longitudinal measures to capture key dimensions of cognitive resilience to Alzheimer's disease and other neuropathologies » Maud Wagner, *Postdoctoral researcher, Assistant Professor in Biostatistics Rush University Medical Center, Chicago, USA*

February

« Human-In-The-Loop machine learning for health », Julien Martinelli, *Postdoctoral researcher, Aalto University, Espoo, Finland (https://julienmartinelli.github.io/)*

March

« Dynamic prediction of an event using multiple longitudinal markers: a model averaging approach » Taban Baghfalaki, *Senior researcher, BPH Biostat Team, Bordeaux (https://scholar.google.com/citations?user=OkPt87QAAAAJ)*

« Modeling spatial transcriptomics data at super-resolution » - Raphael Gottardo, *Professeur Centre de la science des données biomédicales CHUV Lausanne, Switzerland* — *https://www.chuv.ch/fr/bdsc/recherche/nos-equipes/science-des-donnees-biomedicales-translationnelles*

Avril

« A functional principal component analysis framework to characterise systemic recovery from SARS-CoV-2 infection » -

Hélène Ruffieux *(MRC Biostatistics Unit, University of Cambridge, UK https://www.mrc-bsu.cam.ac.uk/people/in-alphabetical-order/n-to-s/helene-ruffieux/)*

« Bayesian estimators as preferred alternatives to those of frequentist » - Mojtaba Ganjal, *Professor in Statistics* [*Shahid Beheshti University | SBU · Department of Statistics*](#) *Tehran, Iran*

May
« Algorithmes de bandit pour les essais cliniques précoces en vaccinologie » - Cyrille Kone, *École Normale de Rennes et Université d'Aix-en-Provence*

June
« Tumor growth inhibition models to support decision-making in clinical development - current status and future directions » - Francois Mercier, *Senior Principal Scientist / Biostatistics department. Roche Basel, Switzerland*

« Prediction of antibody titres from the early transcriptomic response following vaccination in the PREVAC clinical trial » - Arthur Hughes *(M2 student, ISPED, Bordeaux)*
« Correction du biais d'avance au diagnostic dans l'évaluation des dépistages du cancer du sein » - Marius Robert *(M2 student, ISPED, Bordeaux)*

« Machine Learning Model for Progression of Chronic Kidney Disease to Kidney Failure in European Children » - Xinbei Wan *(M2 student, ISPED, Bordeaux)*
« Dynamic Prediction Model Based on Repeated Measures of Multiple Markers for Dementia » - *Qin Zhang (M2 student, ISPED, Bordeaux)*

October

"A Two-stage Joint Modeling Approach for Multiple Longitudinal Markers and Time-to-event Data"- Taban Baghfalaki, *Senior Researcher in Biostatistics · BPH University of Bordeaux* (https://scholar.google.com/citations?user=OkPt87QAAAAJ)

November

"Complex Heterogeneity in the Utility of a Surrogate Marker"- Rebecca Knowlton, *PhD Candidate, Department of Statistics and Data Sciences, University of Texas at Austin, USA* https://stat.utexas.edu/directory/rebecca-knowlton)

"Optimal control for parameter estimation in partially observed hypoelliptic stochastic differential equations used in neuronal modeling"- Quentin Clairon *Researcher Inria Bordeaux Sud-Ouest, Inserm, BPH SISTM Team, Bordeaux* [*https://scholar.google.com/citations?user=io8ZaeIAAAAJ*](https://scholar.google.com/citations?user=io8ZaeIAAAAJ)) *a joint work with Adeline Leclercq-Samson, Professor in statistics, Université Grenoble Alpes Joseph Fourier*

December

"IPTW plus adjusted outcome models do not always equal doubly robust" - Erin Gabriel · *Associate Professor in Biostatistics, · (University of Copenhagen, Danemark* [*https://scholar.google.com/citations?user=io8ZaeIAAAAJ*](https://scholar.google.com/citations?user=io8ZaeIAAAAJ)