

Schedule
Mathematical and numerical tools for Oncology

Wednesday 24th

- 9:00 – 10:00 Welcome coffee
10:00 – 10:45 **Nikolaos Sfakianakis** (University of St Andrews) : TBA
10:45 – 11:30 **Rachid Ouifki** (North-West University): Mathematical modelling and optimization of combined anti-estrogen and p53-based therapies for ER+ breast cancer.
11:30 – 11- 50 Break
11:50 – 12:35 **Giulia Pozzi** (DISMA-Politecnico di Torino): T cell therapy against cancer: A predictive diffuse-interface mathematical model informed by pre-clinical studies.
12:35 – 14: 00 Lunch
- 14:00 – 14:45 **Boubakari Ibrahimou** (Florida International University): Statistical Analysis of Breast Cancer Survival in the US.
14:45 – 15:30 **Michelle Carey** (University of Dublin): Parameter Estimation for Physics-Informed Penalized Regression Models.
15:30 – 15:50 Break
15:50 – 16:35 **Mehmet C. Tarhan** (SMMiL-E, LIMMS/CNRS-IIS) : TBA
16:35 – 17:20 **Alice Leroy** (SMMiL-E, LIMMS/CNRS-IIS) : Blood vessels-on-chip model of the vascular barrier.

Thursday 25th

- 09:30 – 10:15 **Marie-José Chaaya** (Aix-Marseille university): A continuous approach of modeling tumorigenesis and axons regulation for the pancreatic cancer.
10:15 – 11:00 **Giorgia Ciavolella** (Inria MONC, University of Bordeaux): Adhesion dynamics of circulating tumor cells: data analysis through mathematical modeling.
11:00 – 11:30 Break
11:30 – 12:15 **Sarah Zohar** (INSERM, université de paris, Inria) : TBA
12:15 – 14:00 Lunch
14:00 – 14:45 **Chiara Villa** (Sorbonne Université): Modelling the evolutionary dynamics of nutrient-deprived cancer cells using phenotype-structured equations.
14:45 – 15:00 Closing