

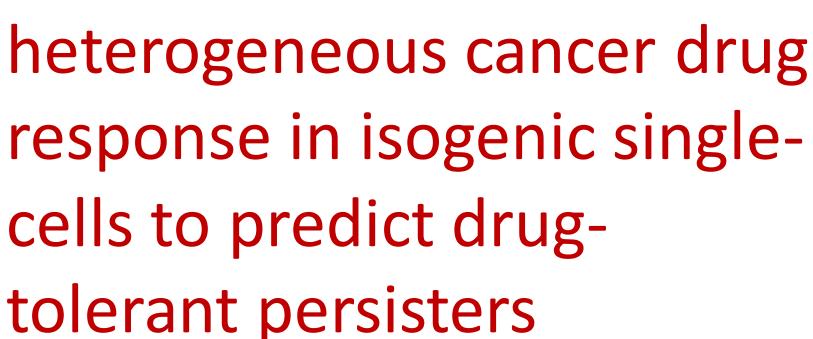
Flash talk



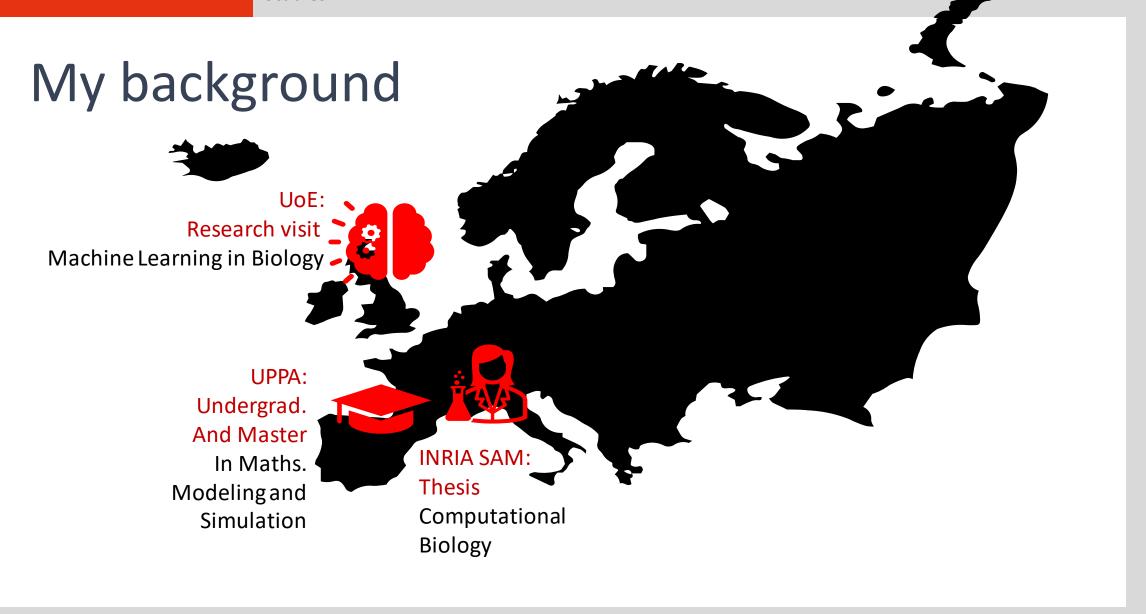


Marielle Péré

Modeling









My team





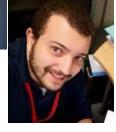
My team



























Team splitting in 2023

MACBES Modeling And Control of Biological and Ecological Systems







Optimization of water living microorganisms for generating renewable resources



My supervisors



Madalena Chaves

Dynamical systems in biology (stability, robustness, and control properties) + ODE / Boolean / Piecewise models

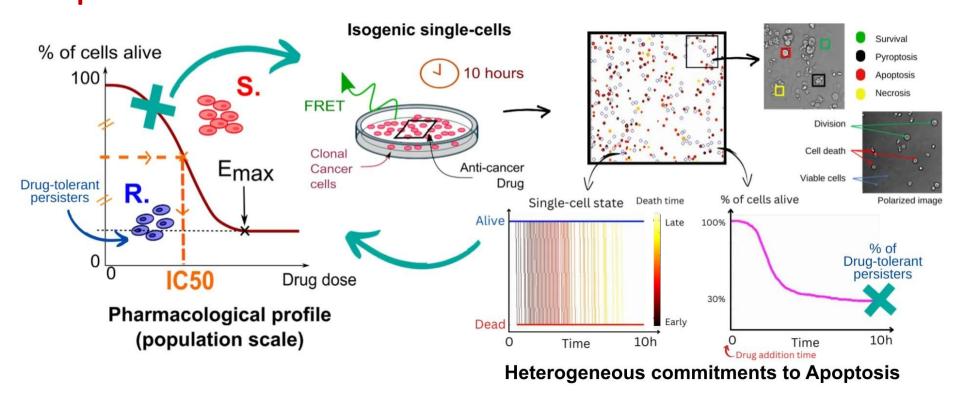


Jérémie Roux

Biology, biochemistry, **Single-cell experiments**,
Computational biology
+ Drug-tolerant persisters



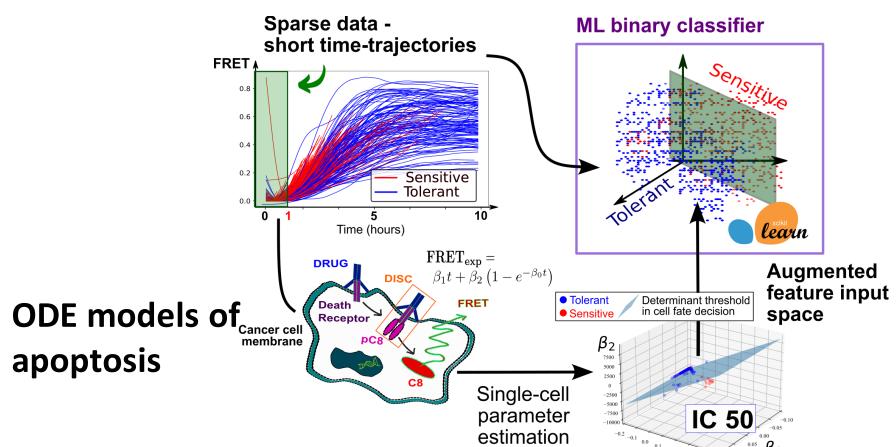
My thesis subject: Modeling heterogeneous cancer drug response in isogenic single-cells to predict drug-tolerant persisters





The tools I'll use

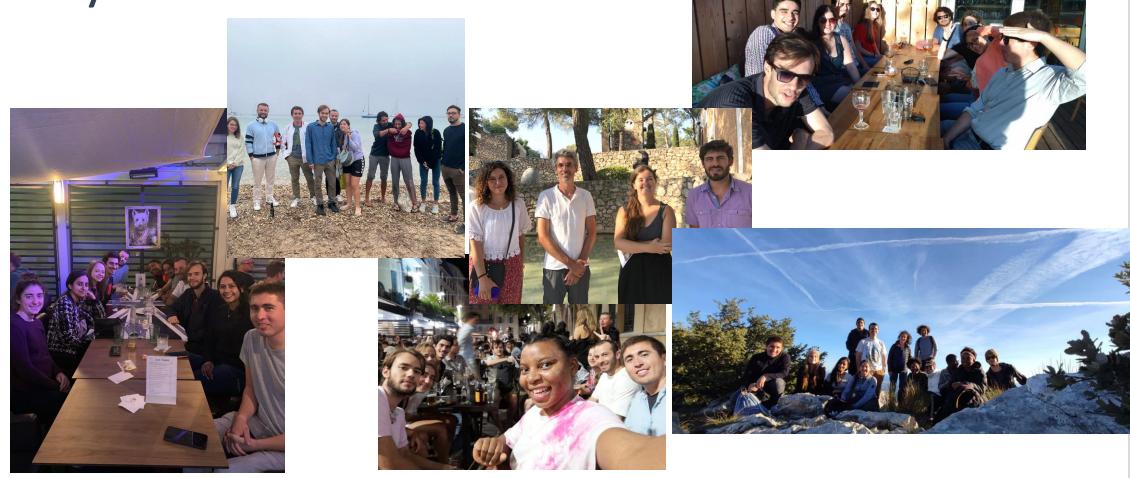
Machine learning



Goal: find the causes of drugtolerant persisters and be able to forecast them during singlecell experiments



My team





Thank you!

Follow the PhD seminars INRIA Sophia!





