

SMILE

Stochastic Models for the Inference of Life Evolution



Guillaume ACHAZ



Amaury LAMBERT

Indicate in which axis your team relates to:

Axis 1: Controlling and programming biological living matter.

Axis 2: Emergence of spatial and temporal organization in living matter

Axis 3: Information processing and dynamics of biological active matter

Axis 4: Driving evolution within living systems.

Team expertise:

- Mathematical modelling of evolutionary processes
- Inference of evolutionary processes from genomes
- Somatic evolution (pathological and normal development, tumorigenesis, antibody affinity maturation)
- The formation of new species
- Population genomics, traces of selection/demography

Question of Interest and/or Collaboration wanted:

What are the evolutionary causes of the presence/absence of Darwinian properties of cells in multicellular species ?