

## Cohesion vs loop extrusion: modeling the dual role of cohesins in budding yeast

In budding yeast, cohesins are central to maintain sister chromatids cohesion and to shape the mitotic chromosomes. Here I'll present our effort to model the interplay between cohesin-mediated cohesion and loop extrusion and investigate how it shapes the organization of mitotic chromosomes in yeast. By comparing model predictions and Hi-C experimental data, we observe the signature of asymmetric cohesion and a stochastic loop extrusion.

**Author:** Dr JOST, Daniel (Laboratoire de Biologie et Modélisation de la Cellule, ENS Lyon)

**Orateur:** Dr JOST, Daniel (Laboratoire de Biologie et Modélisation de la Cellule, ENS Lyon)