



Fiche proposition de stage - *Internship offers*

Offre pour / Offer for (you can make offers for both level, if the subjects are different, please use a new form)

Master 1 ☒

Master 2 ☒

Parcours concerné(s) : Epigénétique, Génétique et Biologie cellulaire (EpiGenBio)

Intitulé du stage <i>Title</i>	3D organization of chromosomes by cohesins during S phase
Laboratoire d'accueil <i>Host laboratory</i>	Institut de Génétique Humaine
Nom du responsable <i>Name of the PI</i>	Philippe Pasero
Nom d'encadrant <i>Supervisor</i>	Armelle Lengronne
Description (3 phrases) <i>Description</i> (3 sentences)	The organization of chromosomes during mitosis is relatively well understood; however, much less is known about their organization during S phase. This project aims to understand how chromosomes are organized in 3D during DNA replication . By studying the organization of replication structures (replicons) and cohesin-dependent chromatin loops using Hi-C , cohesin ChIP-seq , and various mutants, we will determine how these different structures contribute to the establishment, during S phase, of essential chromosome domains required for mitosis.
Durée prévue (2 à 6 mois) <i>Duration</i> (2 to 6 months)	6 months
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