



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

Parcours concerné(s) : EpiGenBio

Intitulé du stage <i>Title</i>	Chromosome dynamics and epigenetics in mouse meiosis
Laboratoire d'accueil <i>Host laboratory</i>	IGH
Nom du responsable <i>Name of the PI</i>	Corinne Grey
Nom d'encadrant <i>Supervisor</i>	Corinne Grey
Description (3 phrases) <i>Description</i> (3 sentences)	<i>Our team investigates chromosome dynamics during the early stages of meiosis. At meiotic entry, hundreds of DNA double-strand breaks are generated at specific sites marked by chromatin modifications. Concurrently, chromosomes are extensively reorganized into loop-axis arrays anchored to a proteinaceous structure. We aim to understand how chromosome conformation and recombination influence each other, and how these processes are regulated.</i> <i>During the internship, the student will join an international team and begin characterizing a newly identified factor that may play a key role in this regulatory network. Depending on its advancement, the project will likely involve techniques such as ChIP, Western blotting, cytology on chromosome spreads, and Immuno-FISH.</i>
Durée prévue (2 à 6 mois) <i>Duration</i> (2 to 6 months)	5-6 months
E-mail	corinne.grey@igh.cnrs.fr