



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) : Recherche

Intitulé du stage <i>Title</i>	Telomere homeostasis in mouse early development
Laboratoire d'accueil <i>Host laboratory</i>	Institut de Génétique Humaine
Nom du responsable <i>Name of the PI</i>	Jérôme Déjardin
Nom d'encadrant <i>Supervisor</i>	Mathieu Tardat
Description (3 phrases) <i>Description (3 sentences)</i>	How pluripotent cells protect chromosome ends despite the absence of "canonical" telomere-protection mechanisms remains largely unknown. This project aims to investigate the role of the ubiquitin ligase UBR5 in an alternative pathway safeguarding telomere integrity in embryonic stem cells and during early mouse development using a newly generated knockout model. The student will combine genome editing, cell culture, microscopy and embryology to uncover novel mechanisms of genome protection.
Durée prévue (2 à 6 mois) <i>Duration (2 to 6 months)</i>	6 months
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