



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>	Effect of mitochondrial activity on RNP condensate functional organization
Laboratoire d'accueil <i>Host laboratory</i>	Institut de Génétique Humaine
Nom du responsable <i>Name of the PI</i>	Martine Simonelig
Nom d'encadrant <i>Supervisor</i>	Anne Ramat
Description (3 phrases) <i>Description</i> (3 sentences)	<i>Using Drosophila germ granules as a model, we showed that RNP condensate inner organization reflects the spatial organization of their function: Translational repression occurring in the inner phase and translation in the outer phase (Ramat, Haidar et al., Nat Commun, 2024). This project, combining chemical and optogenetics approaches with super-resolution imaging, addresses how the cellular environment, specifically mitochondrial activity, contributes to germ granule function in translation.</i>
Durée prévue (2 à 6 mois) <i>Duration</i> (2 to 6 months)	6 mois
E-mail	anne.ramat@igh.cnrs.fr