



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 2

Parcours concerné(s) : EpiGenBio / cancer biology

Intitulé du stage <i>Title</i>	Characterization of HP1 molecular functions during sex determination
Laboratoire d'accueil <i>Host laboratory</i>	Francis Poulat
Nom du responsable <i>Name of the PI</i>	Florence Cammas
Nom d'encadrant <i>Supervisor</i>	Florence Cammas
Description (3 phrases) <i>Description</i> (3 sentences)	In the lab, we have demonstrated that H3K9me3, the HMT SETDB1, its cofactor TRIM28 and the chromatin associated proteins HP1 are pivotal for cell fate identity during sex determination. To better understand the molecular mechanisms underlying these functions, we propose to characterize the genomewide distribution of the different HP1 isoforms within ovaries. We further propose to study the impact of the loss of HP1 on the H3K9me3 landscape as well as on gene and transposable element expression in this tissue.
Durée prévue (2 à 6 mois) <i>Duration</i> (2 to 6 months)	6 months
E-mail	Florence.cammas@igh.cnrs.fr