



Fiche proposition de stage - *Internship offers* 2025-26

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

- **Master 1 (from mid January)**
- **Master 2 (from end January)**

Intitulé du stage <i>Title</i>	SUMOylation & epigenetics in AML blood cancer
Laboratoire d'accueil <i>Host laboratory</i>	IGMM
Nom du responsable <i>Name of the PI</i>	Guillaume Bossis
Nom d'encadrant <i>Supervisor</i>	Denis Tempé
Description (3 phrases) <i>Description</i> (3 sentences)	<p>Our team has validated SUMOylation as a therapeutic target in a preclinical model of Acute Myeloid Leukemia and identified the transcriptional and epigenetic changes regulated by it.</p> <p>Our current objectives are (i) to identify the proteins involved in this regulation by CRISPR and ATAC-seq screens and (ii) to set up a cellular model for modulating SUMO activity at specific genomic locations.</p> <p>The 6-month internship will contribute to the progress of this project by combining these two approaches in order to validate screen hits and to understand SUMOylation's direct involvement in transcriptional and epigenetic control.</p>
Durée prévue (2 à 6 mois) <i>Duration</i> (2 to 6 months)	6 mois
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