



## Fiche proposition de stage - *Internship offers*

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**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) : Cancer Biology – EpiGenBio - BIOTIN**

<b>Intitulé du stage</b> <i>Title</i>	<b>Exploring novel mechanisms of MYB oncogene inhibition in leukemia</b>
<b>Laboratoire d'accueil</b> <i>Host laboratory</i>	IGMM, 1919 route de mende, Montpellier 'Chromatin dynamics in hematopoiesis' Team (Soler)
<b>Nom du responsable</b> <i>Name of the PI</i>	Dr Eric SOLER
<b>Nom d'encadrant</b> <i>Supervisor</i>	Dr Charlotte ANDRIEU-SOLER
<b>Description</b> (3 phrases) <i>Description</i> (3 sentences)	We set-up a genome-wide CRISPR screen to identify factors involved in the control of MYB oncogene expression. By global omics and biochemical approaches, the project aims at functionally validating the positive hits from the screen (transcription factors, epigenetic enzymes, signaling molecules) in a normal and leukemic context, and to validate these novel putative therapeutic targets.  <i>Methods: CRISPR-CAS9, molecular cloning, CUT&amp;RUN, cell culture, transfections, western blots, qRT-PCR, luciferase assays.</i>
<b>Durée prévue (2 à 6 mois)</b> <i>Duration</i> (2 to 6 months)	5-6 months
<b>E-mail</b>	<a href="mailto:eric.soler@igmm.cnrs.fr">eric.soler@igmm.cnrs.fr</a> <a href="mailto:charlotte.andrieu-soler@igmm.cnrs.fr">charlotte.andrieu-soler@igmm.cnrs.fr</a>