



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

Intitulé du stage <i>Title</i>	Understanding liposarcoma-muscle crosstalk
Laboratoire d'accueil <i>Host laboratory</i>	IRCM
Nom du responsable <i>Name of the PI</i>	Laetitia Linares
Nom d'encadrant <i>Supervisor</i>	Gilles Gadea
Description (3 phrases) <i>Description</i> (3 sentences)	Liposarcomas are rare cancers of the adipose tissue which are resistant to all currently available therapies. Only large and radical surgery can cure a limited number of patients. Liposarcomas are characterized by MDM2 amplification. Our team has shown that MDM2 protein can control amino acid metabolism, making liposarcomas dependent on serine. More recently, the team showed that this dependence is such that it forces the establishment of a crosstalk between the tumor and the skeletal muscles, which become serine supplier for tumor growth. In this context, this project proposes to study the molecular basis of dialogue, more specifically the role of extracellular vesicles in muscle rewiring.
Durée prévue (2 à 6 mois) <i>Duration</i> (2 to 6 months)	6 months
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