



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 X

Master 2 X

Parcours concerné(s) : Cancer Biology - EpiGenBio - Medecine Expérimentale et Régénératrice - BIOTIN - IDIL

Intitulé du stage <i>Title</i>	New effectors of cell competition during development and cancer
Laboratoire d'accueil <i>Host laboratory</i>	Epithelial growth and cancer - IRCM
Nom du responsable <i>Name of the PI</i>	Alexandre DJIANE
Nom d'encadrant <i>Supervisor</i>	Patrice LASSUS
Description (3 phrases) <i>Description (3 sentences)</i>	In all growing epithelial tissues, the status of individuals cells regarding metabolism, growth or genetic identity is constantly checked to establish a relative fitness hierarchy. This results in competition for tissue formation favoring the strongest cells at the expense of the weakest. This conserved cellular phenomenon is known as « cell competition » and growing evidences support its central role during cancer development (clonal evolution, resistance to treatments, metastatic niche...). The project consist in the establishment of a new cell competition paradigm in cultured mammalian cells, and to investigate the role of key lipid metabolism genes in this process.
Durée prévue (2 à 6 mois) Duration (2 to 6 months)	4 to 6 months
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