Master program in Cancer Biology

Internship proposal form 2023

☑ **MASTER 1**

☑ **MASTER 2**

Title	Cross talks between the P53 and Hippo pathways in cancers
Host laboratory	Epithelial growth and cancer - IRCM
Name of the PI	Alexandre DJIANE
Supervisor	Lisa HERON-MILHAVET
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Description (10 lines)	Hippo and P53 represent two tumour suppressor pathways frequently affected in cancers. The Hippo pathway consist in a cascade of kinases controlling proliferation and growth by regulating the activity of the transcriptional activators YAP and TAZ. P53 is a transcription factor controlling cell cycle arrest, senescence, and apoptosis in response to different insults such as DNA damage. In the lab we have uncovered new physical interactions between members of the Hippo and P53 pathways. The project will consist in the biochemical characterisation of these interactions and in the exploration of their functional consequences in human cancer cell lines.
Duration (2 to 6 months)	5 to 6 months