Master program in Cancer Biology

Internship proposal form 2024

X MASTER 1

X MASTER 2

Title	Characterization of a novel DNA damage tolerance regulator in breast cancer
Host laboratory	Institute of Human Genetics
Name of the PI	Domanico Maiorano (DR2, INSERM)
Supervisor	Antoine AZE (CRCN, CNRS)
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Description (10 lines)	*In order to overcome therapeutic treatments, cancer cells can exploit a DNA damage tolerance pathway (DDT), involving translesion DNA synthesis (TLS), such as in the case of BRCA-deficient cancer cells. However, the molecular grounds of this salvage pathway are currently poorly unknown. This project aims at investigating the function of a poorly characterized ubiquitin ligase with emerging functions in tumor progression, as a novel TLS regulator and its implication in the resistance of BRCA-deficient cells to therapy.*
Duration (2 to 6 months)	2 to 6 months