



## Fiche proposition de stage - *Internship offers* 2025-26

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

<b>Intitulé du stage</b> <i>Title</i>	Ferroptosis inducers: an adjuvant strategy to target persister cells and prevent tumor recurrence in BRAF <sup>V600E</sup> -mutated colorectal cancer?
<b>Laboratoire d'accueil</b> <i>Host laboratory</i>	Institut de Génomique Fonctionnelle (IGF, UMR5203), Equipe « Signalisation, Plasticité et Cancer »
<b>Nom du responsable</b> <i>Name of the PI</i>	PANNEQUIN Julie
<b>Nom d'encadrant</b> <i>Supervisor</i>	PASCUSSI Jean Marc
<b>Description</b> (3 phrases) <i>Description</i> (3 sentences)	Colorectal cancer (CRC), particularly in its metastatic form, is among the most common and deadly cancers worldwide, with the BRAFV600E mutation—present in 8–15% of CRC cases—being associated with poor prognosis and high recurrence rates. These aggressive and treatment-resistant tumors may harbor a higher number of persister cells, which are central to therapy resistance and relapse, and appear to rely heavily on iron metabolism, making them susceptible to ferroptosis, an iron-dependent form of cell death. Targeting ferroptosis in combination with current therapies may offer a promising strategy to eliminate these resistant cells and improve outcomes for patients with BRAFV600E-mutant CRC.
<b>Durée prévue (2 à 6 mois)</b> <i>Duration</i> (2 to 6 months)	6 mois
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