



## 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)

<b>Intitulé du stage</b> <i>Title</i>	<i>Establishing an in vitro 3D co-culture model to study the crosstalk between murine colorectal cancer cells and sensory neurons</i>
<b>Laboratoire d'accueil</b> <i>Host laboratory</i>	<b>Institut Génomique Fonctionnelle</b> <b>Signaling, Plasticity and Cancer team</b> <b>Julie Pannequin, team leader</b> <b>141 rue de la Cardonille</b> <b>34094 Montpellier</b>
<b>Nom du responsable</b> <i>Name of the PI</i>	<b>Caroline Bonnans</b>
<b>Nom d'encadrant</b> <i>Supervisor</i>	<b>Caroline Bonnans/Nicolas Digleria-Pillard</b>
<b>Description</b> (3 phrases) <i>Description</i> (3 sentences)	<i>The aim of the Master student project will be to study the crosstalk between murine colorectal cancer cells and sensory neurons in an in vitro 3D co-culture model by using tumoroids. The student will work on finding the best culture conditions for optimum viability and interaction (<b>Objective 1</b>). The student will measure tumoroid size and neurite number and length to be able to determine whether cancer cells and sensory neurons could impact their respective growth (<b>Objective 2</b>).</i>
<b>Durée prévue (2 à 6 mois)</b> <i>Duration</i> (2 to 6 months)	<b>6 mois</b> <i>6 months</i>
<b>E-mail</b>	caroline.bonnans@igf.cnrs.fr