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## 2-3 years Postdoc position in cancer cell signaling at the CNRS of Montpellier

**Project title: unraveling and targeting a novel receptor tyrosine kinase pathway in liver cancer**

**Project summary:** Hepatocellular carcinoma (HCC) remains the third leading cause of cancer death. A majority of patients with HCC are diagnosed at a late stage, which makes them ineligible for curative surgical interventions and therapeutic options remain limited. Therefore, new therapies are needed for this cancer. Somatic alteration of gene copy number is an important mechanism in the formation of these cancers. For example, the amplification of a gene encoding a specific orphan receptor promotes tumor progression by a poorly understood mechanism. We have identified a new tumour microenvironment factor that activates this receptor. We have also developed an antibody that blocks its activity and display anti-tumour effect. Our objective is to decipher this oncogenic mechanism in HCC and to improve the anti-tumor activity of our therapeutic antibody. We should identify a new oncogenic pathway and therapeutic option in HCC.

**Research environment:** this research project will be performed at CRBM in tight collaboration with IGMM, IRCM and CHU of Montpellier.

**Funding:** 24-36 months CDD for a postdoc funded by INCA, starting in early 2024.

**Candidate:** Highly motivated and talented young postdoc in molecular and cellular biology with a high profile in cancer cell signaling and solid tumors. An expertise in liver cancer, organoids and proteomic techniques would be appreciated.

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