

3-year postdoctoral position in cancer biology at the Bordeaux Institute of Oncology

Recruiting Team: « Liver cancers and Tumor invasion », at the Inserm/University of Bordeaux Unit 1312-BRIC

<https://www.bricbordeaux.com/bric-team/liver-cancers-and-tumor-invasion/>

Project :

In the frame of the Ligue-Contre-le-Cancer funded project "Experimental and preclinical validation of Fascin-1 as a therapeutic target in hepatoblastomas ", a 36 months CDD for a post-doc position is available.

Our project is focused on Hepatoblastoma (HB), the most common malignant liver tumor in children. Our recent data identified the *FSCN1* gene, encoding Fascin-1, a new potential target in HB. We found that *FSCN1* expression is significantly higher in the poorly differentiated HB subtype. Moreover, our *in vitro* approach revealed that Fascin-1 silencing is able to favor cellular differentiation of HB cells. Thus, based on these results, the project will address i) how Fascin-1 may sustain its effects in HB tumor cells and ii) whether Fascin-1 is an actionable β -catenin target in HB.

Techniques: molecular and cellular biology, proteomics, mouse and 3D culture models

Recent publications of the team:

Gest, Sena et al., **bioRxiv** <https://doi.org/10.1101/2021.04.21.440735>. In revision - Basbous, et al., **Cancer Gene Ther.** 2022. PMID: 35256752 - Sala M, et al., **Oncogene**, 2022. PMID: 35322197 - Javary et al., **Liver International**, 2021. PMID: 33792165 - Dourthe et al., **Hepatology**, 2021. PMID: 33754354 - Basbous et al., **Small GTPases**, 2020 (review). PMID: 33054516 - Ezzoukhy, Henriët, et al. **Nature Communications**, 2018. PMID: 29795195

Candidate profile:

- PhD or MD/PhD with at least one first author publication
- Enthusiastic and highly motivated researcher with strong interest in cancer cell biology
- Ability to work with a good team spirit
- Candidates with competence in mouse handling, cellular and molecular biology or 3D cultures will be prioritized.

Work environnement :

The candidate will benefit from the high-level scientific environment of the newly created BRIC Unit and of state-of-the-art technological platforms. The lab is located in Bordeaux, Southwestern France, an international tourist destination for its architectural and cultural heritage and a world wine capital.

How to apply:

Interested candidates should send a CV, cover letter summarizing research interests, professional experience, and career goals and the names of two referees to violaine.moreau@inserm.fr

Deadline for applications: December 9th, 2022

