

Postdoctoral Position in biophysics/tissue engineering

Bordeaux (France)

The **BiOf lab** (*BioImaging and Optofluidics* - <http://biof-lab.org/>) at the Institut d'Optique d'Aquitaine has developed a microfluidic technique, the Cellular Capsules Technology, that allows them to produce size-controlled multicellular spheroids and organoids in a high throughput format. This technology is well suited to investigate self-assembly and mechanotransduction issues in 3D cell cultures. Applications in tissue engineering, oncology, regenerative medicine and toxicology testing are numerous. We offer **1 postdoc position**. The project is dual and consists i) at the physiological level, in reconstructing a functional healthy liver lobule by using encapsulated organoids, and ii) at the pathological level, in deciphering the impact of mechanical cues on the progression of hepatocarcinoma. A side project will focus on the impact of encapsulated yeast in beer brewing process. These works will be carried out in a highly interdisciplinary environment.

Applicants should hold a PhD in one of the following fields: **biophysics, cancer or stem cell biology, microfluidics, tissue engineering or biophotonics**.

The proposed fundings are for 12 months and can be renewed. The salaries will be adapted to the experience of the applicants.

Starting date is flexible.

To apply, please provide a curriculum vitae, statement of research interests and at least two recommendation letters to Pierre Nassoy (pierre.nassoy@u-bordeaux.fr),

