

Postdoctoral Positions in Biomicrofluidics, Bioengineering or Biophysics in Bordeaux (France)

The *Biof lab* in Bordeaux, France (<http://biof-lab.org/>) has developed a microfluidic technique, the Cellular Capsules Technology, that allows them to produce in a controlled and facile manner 3D cell cultures (multicellular spheroids and organoids). The applications in tissue engineering, oncology and regenerative medicine and toxicology testing are numerous. We are primarily interested in investigating mechanotransduction and long-term self-organization and fate within these physiological or tumoral growing organoids using microfluidic/3D printing-based methods and dedicated advanced fluorescence or label-free microscopy. Some of these works are performed in collaboration with Treefrog Therapeutics (<https://treefrog.fr/>) a startup company dedicated to cell therapy. We are also interested in excursions into pure fluid mechanics, microscopy and microfluidic developments as well as beer production.

We are seeking to appoint a highly motivated, curious and talented postdoctoral researcher. The candidate is expected to have a background in bioengineering or biophysics or microfluidics. Whatever his/her training, the candidate should have strong interest in multidisciplinary approaches ranging from biology to physics and mathematical modeling, team player mentality. Good communication in English and team playing skills are also required. The recruited postdoc will be in charge of one specific project and involved in other interdisciplinary projects pursued by the team

The proposed funding is for 12 months and can be renewed up to 36 months. The salary will be adapted to the experience of the applicant. Selection of the candidate will end in mid-october 2024. Starting date will be at latest in December 2024.

Applicants should email curriculum vitae and statement of research interests to Pierre Nassoy (pierre.nassoy@u-bordeaux.fr), Gaëlle Recher (gaelle.recher@institutoptique.fr) and Amaury Badon (amaury.badon@institutoptique.fr). Two recommendation letters will also be requested at a later stage

