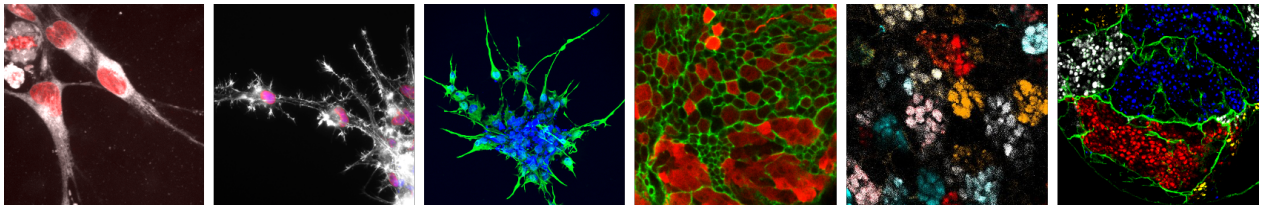
Postdoctoral position

Collaborative project: Etienne-Manneville and Spéder labs



Responses of brain tumors to mechanical stress

The Etienne-Manneville and Spéder labs propose a collaborative project aiming to combine the **power of two models**, a tractable *in vitro* culture of glioblastoma cells and the *in vivo* genetics of *Drosophila*, to understand the **dual relationship between tumor cells and mechanical cues in the nervous system**. Our aims are: *i) to assess how and how much tumor cells handle mechanical stress;* and *ii) to understand how the cellular microenvironment of the tumor provides and conveys this stress*. The project will use a variety of techniques, including **advanced microscopy techniques, mechanical manipulations, microfabrication and state-of-the-art transcriptional profiling.**

The Institut Pasteur in Paris is a world-wide renowned research centre, where you will find excellence both in science and technology. This collaboration between the Departments of Cell Biology and Infection and of Developmental and Stem Cell Biology provides a dynamic and stimulating environment covering a diversity of topics. Both labs are located in the same building, very close to each other.

We are looking for an enthusiastic, ambitious postdoctoral researcher to join this exciting joint project. **The contract is initially for 24 months, renewable for 12 months.** Applicants should have a solid record of scientific achievement and be fully committed to producing high-quality science. **An expertise in genetics, cell biology/culture and imaging is a requisite.** Experience in mechanobiology would be a plus.

Applications including a full Curriculum vitae, a motivation letter and the name of two referees should be sent to Dr Sandrine Etienne-Manneville (sandrine.etienne-manneville@pasteur.fr) and to Dr Pauline Spéder (pauline.speder@pasteur.fr) before the 30th of November 2022.