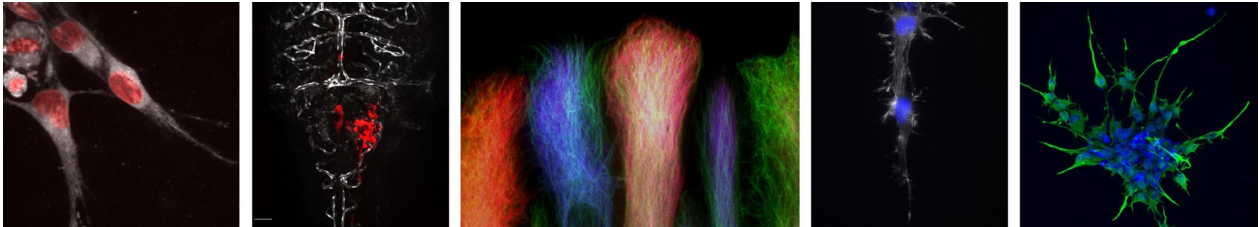


Post-doctoral position 2 years in mechanobiology

*Cell Polarity, Migration and Cancer lab,
Institut Pasteur, Paris, France*



Force and strain during tumor cell invasion

The Etienne-Manneville lab (Cell Polarity, Migration and Cancer lab, <https://research.pasteur.fr/fr/team/cell-polarity-migration-and-cancer>) is recruiting a **talented post-doctoral scientist with a strong interest in mechanobiology and interdisciplinary research**. The team studies the molecular mechanisms involved in cancer cell invasion. Cell invasion depends on the intrinsic mechanical properties of the cell and on the cell ability to respond to the mechanical properties of the 3D environment through mechanotransduction. Our lab combines advanced imaging techniques, microfabrication and biophysical approaches with molecular biology and biochemistry to decipher the molecular pathways involved in the control of cell shape, adhesion and motility in *in vitro* 2D and 3D migration assays of single cells, spheroids and assembloids. The lab is located at the **Institut Pasteur in Paris**, a worldwide renowned research center, with access to numerous technological platforms. This project focuses on the interplay between the physical cues of the environment and the cell mechanical properties and involves collaborations with biologists, biophysicists, bioengineers and computer scientists.

Applicants should have a solid record of scientific achievement and be fully committed to producing high-quality science. Expertise in microscopy and image analysis is required. Experience in microfabrication, microfluidics, and traction force microscopy would be a plus.

Applications including a full Curriculum vitae and the name of two referees should be sent to Dr Etienne-Manneville (setienne@pasteur.fr). Candidates are encouraged to submit their application as soon as possible, as we will be reviewing applications as they are received.

Starting Date: **June-October 2025**