Group "*Cell death and epithelial homeostasis*"
Department of Developmental and Stem Cell Biology
Institut Pasteur
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3 year funded postdoc position in the Institut Pasteur, Paris

A postdoc position is available in the new research group "**Cell death and epithelial homeostasis**" in the department of Developmental and Stem Cell biology of the Institut Pasteur in Paris (France). The group will be launched in December 2016. We are generally interested by the regulation of cell death in epithelial context and its contribution to tissue plasticity. We are currently working on two main aspects: the role of mechanical forces in apoptosis induction and its contribution to morphogenesis and competition between cells, and the orchestration of epithelial cell death by effector caspases. For this, we use the fruitfly *Drosophila Melanogaster* as a model system, and combine various cutting edge approaches from live imaging, image analysis, laser perturbations, optogenetic, genetics and simulations.

The position will be funded for 3 years through the starting package of the Institut Pasteur (with possibility of extension) and would ideally start in March-April 2017. The objective is to characterise the pathway(s) responsible for death induction upon cell compaction and its contribution to competitive interactions between cells. More information can be found on the lab webpage (www.levayerlab.com).

We seek highly motivated candidates with interests in cell and developmental biology and a good working knowledge in live imaging and image analysis. Ideally, the candidate should be comfortable with quantitative approaches and have basic knowledge in programming. Previous experience with *Drosophila* is a plus, but is not mandatory. The project is open to discussion as long as it is connected to the current topics of the laboratory.

The Pasteur institute, located in the center of Paris, has a long standing history of excellence in Cell and Developmental biology and offers access to cutting edge technologies through various platforms.

If you are interested, please contact Romain Levayer (romain.levayer@pasteur.fr) with a brief statement of your research interests, your CV and up to 3 recommendation contacts.