



Jean-Léon Maître Chef d'équipe

EQUIPE MAITRE

jean-leon.maitre@curie.fr Tél : +33 (0)1 56 24 62 11 / Fax : @maitrejl



Research experience

- 2016 **Group leader** at **Institut Curie** (Paris, France) in the Genetics and Developmental Biology unit **CNRS UMR3215, INSERM U934**
- 2013 **Postdoc fellow** in the lab of **Dr Hiiragi** at the **European Molecular Biology Laboratory** (Heidelberg, Germany) studying the mechanics of pre-implantation mouse embryos.
- 2007 **PhD student** in the lab of **Prof Heisenberg** at the **Max Planck Institute for Cell Biology and Genetics** (Dresden, Germany) and the **Institute of Science and Technology Austria** (Klosterneuburg, Austria) studying the mechanics of zebrafish germ layer progenitors.

Funding and awards

- 2019 EMBO Young Investigator
- 2019 Claude Paoletti award from the CNRS
- 2018 Fondation Schlumberger pour l'Éducation et la Recherche
- 2017 ERC Starting Grant
- 2017 Young scientist award Societe de Biologie Cellulaire de France
- 2016 ATIP-Avenir
- 2016 PSL nouvelle équipe
- 2016 CNRS Chargé de Recherche
- 2014 Marie Curie IntraEuropean Fellowship
- 2013 EMBO Long Term Fellowship

Publications clés

Année de publication : 2019

Julien G Dumortier, Mathieu Le Verge-Serandour, Anna Francesca Tortorelli, Annette Mielke, Ludmilla de Plater, Hervé Turlier, Jean-Léon Maître (2019 Aug 3)

Hydraulic fracturing and active coarsening position the lumen of the mouse blastocyst.

Science (New York, N.Y.) : 465-468 : [DOI : 10.1126/science.aaw7709](https://doi.org/10.1126/science.aaw7709)

Année de publication : 2016

Jean-Léon Maître, Hervé Turlier, Rukshala Illukkumbura, Björn Eismann, Ritsuya Niwayama, François Nédélec, Takashi Hiiragi (2016 Aug 4)

Asymmetric division of contractile domains couples cell positioning and fate specification.

Nature : [DOI : 10.1038/nature18958](https://doi.org/10.1038/nature18958)

Année de publication : 2015

Jean-Léon Maître, Ritsuya Niwayama, Hervé Turlier, François Nédélec, Takashi Hiiragi (2015 Jun 16)

Pulsatile cell-autonomous contractility drives compaction in the mouse embryo.

Nature cell biology : 849-55 : [DOI : 10.1038/ncb3185](https://doi.org/10.1038/ncb3185)

Année de publication : 2012

Jean-Léon Maître, Hélène Berthoumieux, Simon Frederik Gabriel Krens, Guillaume Salbreux, Frank Jülicher, Ewa Paluch, Carl-Philipp Heisenberg (2012 Aug 28)

Adhesion functions in cell sorting by mechanically coupling the cortices of adhering cells.

Science (New York, N.Y.) : 253-6 : [DOI : 10.1126/science.1225399](https://doi.org/10.1126/science.1225399)