

Post-doctoral position

Institut Curie, Paris

The Molecular Mechanism of Chromosome Dynamics group headed by Daniele Fachinetti (<https://institut-curie.org/team/fachinetti>) in close collaboration with the teams of Antoine Coulon (<http://www.coulonlab.org/>) and Jean-Leon Maitre (<https://institut-curie.org/team/maitre>) is recruiting a **post-doctoral researcher**.

The selected candidate will study the *causes and consequences of chromosome aneuploidy* at multiple levels (centromeres, nuclear organization, development), using interdisciplinary approaches in cell models and mammalian embryos. By providing molecular, physical and cellular insights, this project will shed a new light on the mechanisms underlying chromosome-specific aneuploidy and its consequences on cell behavior and mammalian embryonic development.

This research program will use unique interdisciplinary approaches that integrate molecular and cell biology, cytogenetic analysis (*Dumont et al, EMBO J, 2022*), biophysical manipulation of chromosomes (*Keizer et al., Science, 2022*) and *in vivo* measurements in developing embryos (*Firmin et al., bioRxiv, 2022*) to study cell responses to aneuploidy.

Location:

The Institut Curie, situated in the center of Paris, is a world leading institution in the fields of cell biology, soft-matter physics, developmental biology, genetics and cancer biology (consisting of about 85 groups and more than 900 people). It is an excellent international environment to perform multidisciplinary research supported by a strong network of technological platforms.

Skills:

Previous expertise in microscopy and molecular biology are necessary. The successful applicant must have, or be in the process of completing, a doctorate in a relevant research area and a primary research paper in a peer-reviewed journal.

Applicants should send their CV and a motivation letter (2 pages max each) to daniele.fachinetti@curie.fr.

Funding will be initially supported for 24 months.

