

Post-Doctoral Position

A postdoctoral position is available to study the molecular bases of reproductive isolation in mammals. The project aims at resolving the origin of a long-studied yet not resolved phenotype of hybrid incompatibility in the mouse. Our latest insights indicate links with transposon-driven genomic evolution, intergenerational effects, and immune responses. State-of-the art approaches will involve long read sequencing-based genomic annotations, epigenomic and transcriptomic profiling in germ cells and pre-implantation embryos, as well as functional genetics and biochemical approaches. This research will shed novel lights onto the origin of **genomic conflicts, parent-of-origin effects, and speciation in mammals.**

Successful candidates must have experimental expertise in molecular biology and genetics. Conceptual and technical background in early embryonic development and germ cell biology in mammals would be appreciated. We are looking for strongly motivated and highly collaborative candidates having good communication skills in English and a sense of team spirit. One first author publication is mandatory, including preprints. Although a post-doctoral salary will be provided initially, candidates are expected to also apply to independent fellowships.

The project will be carried out in the group of Michel Cohen-Tannoudji (Early Mammalian Development & Stem Cell Biology) in the Department of Developmental and Stem Cell Biology of the Institut Pasteur, an internationally renowned center for basic and biomedical research in the center of Paris, which offers state-of-the-art core facilities and platforms (including mouse facility, NGS facility and mass spectrometry) in a highly dynamic and multidisciplinary environment. Support for bioinformatic analyses will be provided. The project will be carried out in the frame of a collaborative network involving Deborah Bourc'his (Institut Curie, Paris) and Antoine Molaro (GReD, Clermont-Ferrand) and financially supported by the ANR.

Starting after November 2022, the appointments will be made for 3 years. Salary will be commensurate to previous experience and accordingly to Institut Pasteur standards. Applications should be submitted to michel.cohen-tannoudji@pasteur.fr and include a cover letter describing your interest in the position, a detailed CV, a brief description of previous research (below 1 page), publications list, plus the contact details of at least two referees.

