



Postdoctoral and Engineer positions

Epigenetic-based therapies to fight infectious diseases

Institut Pasteur, Université de Paris, Université Paris Saclay

Project and Consortium description: Five positions (**four postdoctoral** and **one engineer**) are available to join an interdisciplinarity consortium, located in the **Paris** area, to study the interplay between epigenetic regulation and infectious diseases. Our objective is to find new therapeutic approaches to fight infection using epigenetic drugs. Our consortium combines expertise in the **biology and epigenetics of infection** (5 teams), in **proteomics** (1 team) and in **drug-design** and medicinal chemistry of epigenetics (2 teams). The partners are internationally-oriented research structures, located at the **Pasteur Institute** (6 laboratories), **University of Paris** (1 laboratory) and **University Paris Saclay** (1 laboratory). The strengths of the consortium are: (1) a strong track-record showing that pathogens modulate host epigenetic mechanisms; (2) considerable resources generated by medicinal chemists; (3) in-depth expertise on seven biological models, from *in vitro* and *in cellulo* to *in vivo* models. The research environment includes state-of-the-art equipment and facilities for the project. Salaries are funded for at least two years and will be adjusted according to the experience of the candidate.

Requirements: we are seeking highly-qualified and motivated candidates, with a strong background in the epigenetics or proteomics. We also expect good leadership skills, good English language skills, and a commitment to team science.

Selection process: starts December 2021 and will be continued until staffing (expected start dates from February to June 2022). **To apply, please submit** (i) a motivation letter, (ii) a full CV including a publication list, and (iii) the contact address of three referees. **Please add the reference "Position TheraEpi" in your email header.**

Recruiting laboratories:

1) The **Cellular biology of microbial infection lab, CNRS, Institut Pasteur**, which studies the interactions between the bacterium *Chlamydia trachomatis* and human epithelial cells. For a **postdoc** application, please contact **Dr. A. Subtil** (agathe.subtil@pasteur.fr)

2) The **Proteomics platform, Institut Pasteur**, which has a strong expertise in advanced quantitative proteomics approaches and post-translational modifications. For a **postdoc** application, please contact **Dr. M. Matondo** (mariette.matondo@pasteur.fr)

3) The **Epigenetics and Cellular Microbiology lab, INRAE, Université Paris Saclay**, which studies the interactions between the Gram-positive *Listeria monocytogenes* bacterium and mammalian cells. For a **postdoc** and an **engineer** application, please contact **Dr. H. Bierne** (helene.bierne@inrae.fr) and **Dr. A. Pagliuso** (alessandro.pagliuso@inrae.fr)

4) The **Epigenetics and Cell Fate lab, CNRS, Université de Paris**, which studies the interactions between intracellular apicomplexan parasites and bovine leukocytes. For a **postdoc** application, please contact **Pr. J. Weitzman** (jonathan.weitzman@u-paris.fr)