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*)