Postdoctoral position:
Role of non-coding genes in antiviral immunity

Description: A 3-year postdoctoral position is available to join a newly established research program within the Department of Virology of the Institut Pasteur, Paris.

Project outline: Our hypothesis is that human cells express unique sets of coding and non-coding genes that exhibit potent inhibitory activities against RNA viruses. Our objectives are to identify and characterize these genes by combining an original approach that compares the total transcriptome changes in virally infected and neighboring uninfected cells with exhaustive and reference-free transcriptome analysis, loss-of-function screening strategies and mechanistic studies.

Key words: transcriptomics, bioinformatics, non-coding genes, RNA viruses, antiviral immunity.

Candidate requirements: Candidates must hold a PhD degree in Biological Sciences. They must have experience with next-generation sequencing and computational analysis. Background in biology of non-coding genes will be advantageous. Candidates should have strong communication and organization skills and willing to work independently. English language is required.

To apply: Applicants should send a cover letter and a C.V (including a list of publications as well as names and contact information for up to 3 academic references) to Nolwenn Jouvenet (nolwenn.jouvenet@pasteur.fr).
The project is a collaboration with the team of Antonin Morillon at Institut Curie, who has a long-standing expertise studying non-coding genes.