



Post-doctoral position in RNA modification enzymes Paris area, France

“Functional studies of human RNA modification enzymes”.

A 2-year post-doctoral position is opened in Marc Graille’s lab in the Laboratory of Structural Biology of the Cell at Ecole Polytechnique (CNRS, Institut Polytechnique de Paris, Palaiseau, France). The lab is located 40 minutes by train from Paris city centre.

The lab is interested in understanding how epitranscriptomic marks are deposited on RNAs and influence RNA translation and decay as well as cell proliferation and organ development. Come and join us to contribute to the characterization of the molecular and cellular functions of human RNA modification enzymes. You will work in close collaboration with teams located in Paris, Strasbourg (France), Belgium and Germany to investigate the role of some of these enzymes in cancer cell proliferation, in human diseases or in animal brain development.

You will have access to and/or will be able to learn the various experimental approaches implemented in the lab : biochemistry (protein or RNA expression and purification, enzymology, pull-down, ...), cell biology (CRISPR-Cas9 gene deletion, co-immunoprecipitation, purification of RNAs from human cell lines, ...) and structural biology (X-ray crystallography) as well as to local state-of-the-art core facilities (live-cell imaging, LC/MS for nucleosides analyses...).

The applicants should hold a PhD and have some expertise in molecular biology, biochemistry and cell biology. Interest in RNA translation as well as knowledge in RNA purification, confocal microscopy, luciferase-based assays, ribosome profiling or RNAseq will be very much appreciated. **Working knowledge of the English language (scientific, oral and written) is necessary, but knowledge of French is not required as the team regularly hosts people from different countries.** Enthusiasm, motivation and willingness to contribute to a dynamic and enjoyable working environment are very important qualities. The candidate should show autonomy, but a successful integration into the team projects is essential. **The position is open immediately but the starting date is flexible depending on your availability.**

Salary: from 2889€ to 3321€ gross per month depending on your work experience and according to the French regulation regarding salaries.

Applications (including a detailed CV, summary of your current project and relevant skills and a contact information of two/three references) or information requests should be sent to Marc Graille (marc.graille@polytechnique.edu).

Website: <http://bioc.polytechnique.fr/spip.php?rubrique117&lang=en>

Twitter : @GrailleLab