

Engineer (H/F) in protein and/or RNA biochemistry Ecole Polytechnique, Paris area, France

A 1-year engineer position (possibility to extend the contract for at least one more year), funded by the ANR (French National Research Agency), is available in Dr Marc Graille's team in the Laboratory of Structural Biology of the Cell at Ecole Polytechnique (CNRS, Institut Polytechnique de Paris, Palaiseau, France). Graille lab focuses on the understanding of the essential biological mechanisms that regulate protein synthesis at the level of translation and degradation of messenger RNAs. This team uses experimental approaches ranging from molecular biology, biochemistry, biocrystallography and cell biology to obtain multi-scale information (atomic, molecular and cellular) on the biological macromolecules studied. For more information, visit our website: <https://portail.polytechnique.edu/bioc/en/research/coupling-between-translation-and-mrna-degradation-eukaryotes>.

You will contribute to the preparation and characterization of proteins, multi-protein complexes or RNA samples to study processes involved in the translation and degradation of messenger RNA. These samples will allow the study of interactions between factors essential to these processes by biochemical (pull-down, enzymology) and biophysical (fluorescence, microcalorimetry, ...) techniques but also structural biology (X-ray crystallography). The engineer will also be involved in the development of RNA binding and degradation assays as well as in cell biology experiments.

The successful candidate should hold a master 2 degree (or equivalent) in biochemistry, molecular biology.

The Laboratory of Structural Biology of the Cell is located on the multidisciplinary "Ecole Polytechnique" campus, one of the most selective and prestigious French "Grande Ecole", which attracts top undergraduate and graduate students worldwide. Ecole Polytechnique is located 25 km south from Paris and as regular (every 10 minutes) train connections to Paris city centre (40 minutes). The campus offers all the equipments to perform various activities (music, theatre, ...) or sports. More info on the campus can be found at : <http://www.polytechnique.edu/en> .

Contract Period : 12 months

Expected date of employment : 1st of December 2022 (depending on the availability of the selected candidate)

Proportion of work : Full time

Remuneration : About 2400€ gross per month

Desired level of education : 5-year university degree

Experience required : 0 to 4 years

Applications should be submitted on this website :

<https://emploi.cnrs.fr/Offres/CDD/UMR7654-MARGRA-001/Default.aspx>

Information requests should be sent to Marc Graille (marc.graille@polytechnique.edu).