WORKING ENVIRONMENT AND CONTEXT

Notre établissement fait partie de l'Université PSL. Située au cœur de Paris, celle-ci fait dialoguer tous les domaines du savoir, de l'innovation et de la création. Classée parmi les 50 premières universités mondiales, elle forme au plus près de la recherche des chercheurs, artistes, ingénieurs, entrepreneurs ou dirigeants conscients de leur responsabilité sociale, individuelle et collective.

HOSTING STRUCTURE

The Curie Institute Research Center

The Institut Curie is a major player in the research and fight against cancer. It consists of a hospital and a Research Center of more than 1000 employees with a strong international representativeness. The objective of the Curie Institute Research Center is to develop basic research and to use the knowledge produced to improve the diagnosis, prognosis, and therapeutics of cancers as part of the continuum between basic research and innovation serving the patient.

MISSIONS

MAIN TASKS

Laboratory

The host laboratory, Membrane Mechanics and Dynamics of Intracellular Signaling, led by Dr Christophe Lamaze is part of the Chemical Biology of Cancer (UMR3666 CNRS-U1339 INSERM). The team research focuses on understanding how plasma membrane dynamics and trafficking control the signal transduction, in particular during mechanical stress. In the lab, Dr Cedric Blouin has developed an original line of research combining biochemistry and biophysics to investigate mechanobiology and lipid nanodomains in JAK/STAT signaling.

https://institut-curie.org/team/lamaze#presentation

The project

The interplay between plasma membrane lipids, membrane associated proteins, the actin cytoskeleton and dynamic scaffolding structures such as clathrin-coated assemblies and caveolae is still poorly understood. Deciphering how the dynamics and the nanoscale organization of the plasma membrane control cell signaling remains a major challenge in cell biology. Based on our previous work (Blouin et al. Cell 2016; Li et al. BioRxiv; Mani et al., Nat Cell Biol 2026), the project aims to determine how the IFN-γR signaling receptor dynamically interacts with lipid nanodomains at the plasma membrane, how it connects with the various molecular assemblies beneath, and how these interactions are tuned by mechanical cues. To elucidate the molecular mechanisms that control IFN-γR signaling, we will a unique combination of advanced imaging techniques upon control of membrane architecture and mechanical status. Building on recent C. Blouin's ANR grant, the project will benefit from a well-equipped and strongly supported research environment, providing excellent conditions for ambitious research and will additionally involve French academic partners.

APPLICANT PROFILE

KNOWKEDGE AND QUALIFICATIONS EXPECTED

Training and Skills required

- PhD in cell biology or biophysics with publications in these fields

- Scientific skills : prior experience in advanced microscopy, membrane biology, 3D model systems will be preferred. Knowledge in surface and matrix functionalization would be appreciated

- Professional experience desirable : up to four year after PhD

- Language skills : strong communication skills in English

Abiliites

- Strong motivation and ability to work independently, creativity and interest in interdisciplinary research

- Aptitude for working and integrating in a team

- Ability to communicate

- High level of integrity and rigor

All our opportunities are open to people with disabilities

Contract information

Type of contract: Fixed-term contract.

Starting date: early January at the latest

Duration: 2 years

Working time: full time

Remuneration: 3018.26 €/month, according to the current grids

Benefits: Collective catering, reimbursement of transportation fees up to 70%, supplementary health insurance

Location of the position: Paris

Contact

Please send your CV, letter of motivation and 2 references:

Publication date: 16/09/2026

Deadline for application: end of September

Faithful to the legacy of its founder, the Institut Curie is deeply committed to promoting equal opportunities, diversity, and inclusion. Convinced that diversity of backgrounds and experiences contributes to collective performance, we strive to provide everyone with a respectful and equitable working environment and encourage all candidates to apply for our job opportunities.

https://euraxess.ec.europa.eu/sites/default/files/brochures/eur_21620_en-fr.pdf

DIPLÔME ET EXPÉRIENCE PROFESSIONNELLE

Bac+6 et plus

NON DISCRIMINATION, OUVERTURE ET TRANSPARENCE

Notre établissement, comme l'ensemble de l'Université PSL, s’engage à soutenir et promouvoir l’égalité, la diversité et l’inclusion au sein de ses communautés. Nous encourageons les candidatures issues de profils variés, que nous veillerons à sélectionner via un processus de recrutement ouvert et transparent.

CONTACT

r67nf8fa315k@emploi.beetween.com

OTHER INFORMATION

Wage : **36219.16 € (Euros) par an**
Type de contrat / de poste : **CDD**
Durée du contrat : **2 an(s)**

Reference
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