HIPI
Human Immunology
Pathophysiology
Immunotherapy

Inserm | Université de Paris

BIOLOGY / IMMUNOLOGY

Open positions: 1 postdoctoral & 1 engineer (equivalent to master's degree)

Location: Inserm U976, Hôpital Saint Louis, Paris, France

Team : Human Systems Immunology & Inflammatory Networks

Date posted: March 2021

Application deadline: April 2021

Job description summary

The research group of Prof Vassili Soumelis is seeking candidates with expertise in cellular biology and immunology. Sucessuful candidates will be dedicated to **system immunology studies applied to human diseases** in the frame of fundamental and translationnal research projects.

Context

Projects will be developped under the supervision of Prof Vassili Soumelis. His team aims to improve the understanding of complex inflammatory and immune reactions, as well as basic mechanisms of signal integration and cell behavior.

The team is integrated in the INSERM Unit U976 HIPI: "**Human Immunology, Physiopathology and Immunotherapy**" at the St Louis Research Institute in the Hôpital Saint, located in the heart of Paris, in the very lively and dynamic neighbourhood of Republique and canal Saint Martin. The hospital hosted Prof Jean Dausset, a pioneer in Haematology and Immunology who received the Nobel prize in Medicine in 1980 for the discovery and characterisation of the genes coding for the major histocompatibility complex. The research campus is part of the Université Paris Diderot (Paris-Sorbonne-Cité) and hosts the headquarters of the European School of Haematology. The Immunology Unit includes 10 independent reasearch teams in the fields of basic and applied immunology, working in a collaborative and international environment.

The team offers the opportunity to expand and develop your career in an exciting professional environment promoted by an open culture and a spirit of community. The site has active seminar program and hosts regular training sessions in molecular and cellular biology. An active association for graduate and post-graduate students 'Adelih' is based on the research campus.

Project

The open positions are in line with recent developments at the interface between Immunology, Bioinformatics and Systems Biology (*Michea et al, Nat Imm 2018; Grandclaudon et al, Cell 2019; Saichi et al, Nat. Cell Bio 2021 (accepted)*). The projects aim at studying molecular regulation and related functions of immune cells in pathological context such as cancer, lupus nephritis, atopic dermatitis, COVID-19 and rare inflammatory diseases.

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Mission

- Design and perform experiments: dendritic cell and T cell separation from PBMC and tissue biopsies, primary cell culture, co-culture, blocking experiments, multiparametric flow cytometry, cell sorting, protein measurements, preparation for single-cell RNA sequencing
- Achieve data analysis in collaboration with data scientists
- Participate in internal and external academic and private collaborations
- Perform regular technological and bibliographical surveys, and implement them in the work
- Present results internally, for collaboration purposes, and for reports to funding bodies

Profile

Qualification:

- **Engineer:** Master's in degree in immunology, molecular or cell biology (or related)
- **Post-doc:** PhD in Immunology or closely related field
- Some knowledge in cancer biology is not mandatory but will be highly appreciated

Personal traits & work ethics:

- Scientific rigor and excellent analytical and synthetic capabilities.
- Dynamic personality with passion for innovation and problem-solving
- Excellent interpersonal and communication skills and the initiative to actively communicate with data producers and data users in an interdisciplinary environment
- Ability to work independently and well-organized in a fast-paced work environment
- Good proficiency in English

The engineer position will be funded for 12 months with possibility for extension.

The postdoc position can be funded for up to 12 months, but the candidate should be eligible and is expected to apply to national and international fellowship calls and harbor a strong ambition to obtain his own funding.

Precise salary will depend on past experience of the candidate.

To apply please send a **CV (including the publication list), motivation letter, and contacts of two referees** to hsiin.recruitment@gmail.com

Please entitle your application documents using the following formats (!!!):

CV document : **CV_surname_bio**

Motivation letter: **ML_surname_bio**