



Research Scientist - Permanent position (CDI)

@ CEA / Hemato-Immunology Research Department (SRHI), St Louis Hospital, Paris, France

SRHI is currently recruiting a new permanent member with expertise in Immunology to join our research programs focused on immunomodulation mechanisms and their clinical applications in the development of novel biotherapies, particularly in **oncology** and **transplantation**.

SRHI is a research department of **CEA** that is also part of **INSERM UMR1342**, located at **Saint-Louis Hospital in Paris (75010)**. Our research focuses on immune modulation mechanisms and applications, and particularly on the **immune checkpoint HLA-G**. Because HLA-G is a fetal tolerogenic molecule that may be neo-expressed in various pathological contexts, our main projects are in oncology and in transplantation. Thanks to our close collaboration with clinicians (medical oncology, urology, radiotherapy, anatomopathology Depts) our **oncology projects** are performed on patient samples (cells and patient-derived spheroids) and focus on two aspects of HLA-G biology: its immune checkpoint function and its TSA status. Our goal is to develop and test new anti-cancer therapies. Similarly, our **transplantation projects** in lung and skin allografts focus on using HLA-G to induce tolerance to allogeneic grafts. In lung transplantation, we focus on EVs that display HLA-G, and in skin transplantation, we are part of a large PEPR program to generate a better tolerated off-the-shelf artificial skin to be used in emergencies (e.g. large burns).

We have access to state-of-the-art core facilities, including **spectral flow cytometry, cell sorting, imaging, genomics, and protein biochemistry**, and our in-house know-how includes the use of **patient-derived 3D structures** such as tumor spheroids re-infused with TILs and analyzed in **microfluidic chips**.

Candidate Profile

SRHI currently counts 3 permanent researchers and **we are recruiting a new permanent team member** to work with us on our current projects and also develop new research avenues.

Applicants must hold a **PhD**, **have a strong background in immunology**, and have postdoctoral research experience. Candidates should be proficient in **both oral and written English**, possess excellent **communication and multitasking skills**, and be **team-oriented, proactive, and result-driven**.

Expertise in immunology is required, and expertise in one of the following areas is of interest to us:

- Immuno-oncology
- Immune regulation and tolerance
- Immune checkpoints
- Clinical applications
- High-dimensional datasets
- Omics-based experiments and analyses

Application Process

Applicants must submit:

- A **cover letter** (motivation statement)
- A **detailed CV**, including a list of publications, patents, and obtained grants
- A **summary of scientific achievements** (maximum **two pages**)

Shortlisted candidates will be contacted for an interview.

Applications should be sent **as PDF files (preferentially only one)** to tej.bettoumi@cea.fr no later than **September 2025**.

The selected candidate is expected to join **SRHI/CEA by December 2025/January 2026**.

SRHI Team:

Nathalie ROUAS-FREISS (Head of Department)

Joel LEMAULT

Jules RUSSICK