Post-doctoral fellowship in Onco-immunology (F/M)

The 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.

Job description

Laboratory
The research groups of Olivier Delattre, Olivier Lantz and J Waterfall collaborate to characterize immune potential of new genes induced by chimeric transcription factors in childhood sarcomas. The candidate will further explore how these neogenes may encode polypeptides source of tumor specific neoantigens that could be targeted for immunotherapy.

Institut Curie is one of the largest European institutions for cancer and biomedical research with strong interdisciplinary traditions. It is located in the center of Paris in France, in a both cultural and scientific rich environment. The site has active seminar program and hosts regular training sessions in molecular and cellular biology. It hosts the world-class SIREDO integrated OncopediaCenter and the Center of Cancer Immunotherapy headed by Dr O. Delattre and S. Amigorena, respectively. The groups of O Delattre, O Lantz and J Waterfall have undertaken a collaboration to investigate potential immunotherapy approaches emerging from the recent discovery of highly specific transcription units induced by oncogenic chimeric transcription factors in pediatric malignancies (Vibert et al, Mol Cell 2022). The candidate will investigate genomic organization and neoantigens properties of peptides encoded by these neogenes.

Missions
- Design and carry out in vitro experiments: cell separation, cell culture, co-culture, multiparametric flow cytometry, cell sorting, Elispot, protein measurements
- Cloning of lymphocytes and T receptors, expression in reporter cells
- Cytotoxicity tests on tumor cells
- Carry out data analysis
- Technological and bibliographic monitoring
- Presentation of your results, reporting.

Candidate Profile

Training and experience required
- PhD in immunology, molecular and cellular biology, or biotechnology
- Knowledge in human immunology, oncology and immunotherapy
- Expertise in flow cytometry, cell culture, expertise in T cell biology would be a plus.

Skills required
- Scientific rigor and excellent analytical and synthetic capabilities
- Team spirit and dynamic personality with passion for innovation and problem-solving
- Good proficiency in English.

*All our opportunities are open to people with disabilities*

**Contract information**

**Type of contract:** Fixed-term contract  
**Starting date:** As soon as possible  
**Duration:** 18 month renewal period  
**Working time:** Full time  
**Remuneration:** According to the current grids  
**Benefits:** Collective catering, reimbursement of transportation fees up to 70%, supplementary health insurance  
**Location of the position:** Paris  
**Reference:** 2023-09-U830-POSTDOC01

**Contact**

Please send your CV, letter of motivation and 2 references, to Olivier.delattre@curie.fr.

*Publication date: September 5th, 2023*  
*Deadline for application: October 31st, 2023*

*Institut Curie is an inclusive, equal opportunity employer and is dedicated to the highest standards of research integrity.*