Postdoctoral Position in Computational Onco-Immunology (M/F)

The hosting structure

The Curie Institute Research Center
The Institut Curie (http://www.institut-curie.org) is one of the biggest European institutions for cancer research with a strong interdisciplinary tradition. Institut Curie is located in the center of Paris in a rich scientific environment. 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.

Context

Laboratory

The project
Thymic epithelial tumors (TETs) are rare intra thoracic malignancies and there is a need for new therapeutic approaches as well as a deeper understanding of tumor development and progression. Due to their location in the thymus and thus intimate contact with developing T cells, TETs interact strongly with the immune system as reflected in the frequent occurrence of autoimmune disorders such as myasthenia gravis (MG) and often extreme reactions to immune checkpoint inhibitors.

We seek a computational scientist interested in onco-immunology to join a multi-disciplinary team of clinicians, immunologists and cancer genomics experts applying cutting-edge multi-omics approaches to characterize TET development and immune interactions. This includes genomic and molecular characterization (whole exome sequencing, RNAseq, chromatin profiling) of clinically annotated patient tumor samples and PDX as well as scRNA/TCRseq of the immune microenvironment and characterization of tumor neoantigens.

Candidate Profile

Training and Skills required
We expect a candidate with a PhD in computational genomics or an M2 with equivalent research experience. The position is opened immediately and funded for 36 months. Salary is according to the candidate experiment.

 Abilities

- Experience in management and manipulation of genome-scale data (WES, RNAseq, scRNAseq)
- Experience in use of bioinformatics and bio-statistics tools (R, python)
- Skill to work on large computing clusters
- Skill to work independently and in collaboration with biologists
- Presentation and communication of results
- Good knowledge of English both spoken and written
- Strong background in computational genomics applied to either oncology or immunology, preferably both

All our opportunities are open to people with disabilities
Contract information

**Type of contract:** Fixed-term contract  
**Starting date:** Open  
**Duration:** 36 months  
**Working time:** Full time  
**Remuneration:** according to the current grids  
**Benefits:** according to the current rules  
**Location of the position:** Paris

Contact

Please send your CV, letter of motivation, and 2 reference letters to cecile.alanio@curie.fr and joshua.waterfall@curie.fr

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