



Postdoctoral position in Bioinformatics/Genomics (M/F)

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

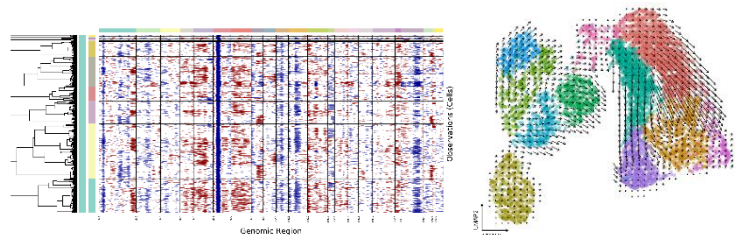
Laboratory

The **Genomics and Development of Childhood Cancers** lab (<https://institut-curie.org/team/saulnier>), headed by Olivier Saulnier, is looking for one **postdoctoral researcher in bioinformatics on cancer genomics**.

Our team focuses on using cutting-edge high-throughput genomic approaches and genome-wide data analyses to study the **spatio-temporal origins of pediatric brain tumors**. In addition, we investigate the **transcriptional and post-transcriptional programs of the normal development that are hijacked by cancer cells** in order to exploit these vulnerabilities as new therapeutic strategies. We are located in the heart of Paris at Institut Curie, one of the world's leading institutions in cancer research. It represents an excellent and international environment with interdisciplinary expertise and high-quality technological platforms.

Missions

The aim of the project is to investigate the developmental origins of pediatric brain tumors at transcriptional and post-transcriptional levels. The successful candidate will use high-throughput single cell data of cancer cells as well as normal human development.



Key publications

1/ Hendrikse*, Haldipur*, Saulnier*, et al., Failure of human rhombic lip differentiation underlies medulloblastoma formation. *Nature*. 2022

2/ Vibert*, Saulnier*, et al., Oncogenic chimeric transcription factors drive tumor-specific transcription, processing, and translation of silent genomic regions. *Molecular Cell*. 2022

3/ Saulnier*, Guedri-Idjouadiene*, et al., ERG transcription factors have a splicing regulatory function involving RBOX2 that is altered in the EWS-FLI1 oncogenic fusion. *Nucleic Acids Research* 2021

Candidate Profile

Training and experience required

- Training: Applicant should hold, or be in the process of completing, a PhD degree in bioinformatics or related areas
- Scientific skills: should have **solid computational skills**, and a strong interest in cancer biology, genomics and/or developmental biology
- Professional experience desirable: experience with single-cell omics

Skills required

- Language skills: very good English level and communication skills
- Ability to work independently, to communicate and to work in a team
- The candidate should be highly motivated, curious, and enthusiastic to work in a collaborative team

All our opportunities are open to people with disabilities

Contract information

Type of contract: Fixed-term contract

Starting date: As soon as possible

Duration: 1 year (renewable)

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

Contact

Please send a CV with a list of publications, a motivation letter including past research and career goals, and contact information of at least two references to olivier.saulnier@curie.fr
Applications will be reviewed as received.

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