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

Team « DNA Recombination, Replication & Genome Stability », Unit « Genome Integrity, RNA and Cancer”, Institut Curie, Orsay-FR.

Flaws in the DNA replication process, known as replication stress, result in inaccurate chromosome duplication and subsequent mitotic abnormalities. Replication stress has emerged as a major source of genome instability contributing to genomic disorders, neurological diseases, aging and cancer. The causes of replication stress are many and varied but ultimately result in stressed replication forks that are fragile DNA structures prone to chromosomal rearrangements. Our main research line is to investigate the spatial and temporal organization of molecular circuits that prevent stressed forks to be converted into pathological DNA structures and the inheritance of DNA lesions and epi-genetic changes to the progeny. We combine genetics, genomics, cellular and molecular approaches that allow us to explore how recombination, repair and chromatin-based processes resolve replication stress within the sub-nuclear architecture of the genome. We make use of the yeast S. pombe and human cells to address those questions.

We are seeking for an experimented and motivated engineer to join our team. The engineer will be involved in ongoing yeast projects to address the role of chromatin assembly coupled to DNA synthesis in maintaining genome stability. As the successful candidate, you will have previous experiences in cellular and molecular biology, protein-protein interactions, cell imaging and analysis. Experiences with yeast genetics and genomics are desirable but not required.

Team web site: https://institut-curie.org/team/lambert

Missions
- Yeast culture
- Molecular biology (DNA, RNA, protein)
- Mass spectrometry, protein-protein interaction
- Cell imaging.
Job specifications
- Versatility
- Curiosity
- Autonomy.

Candidate Profile

Training and experience required
- + 5 years university (master level or equivalent)
- Professional experiences: 2-5 years
- Knowledge and previous training in molecular and cellular biology, protein-protein interaction, Mass spectrometry.

Skills required
- Strong will to interact with scientists of different level
- Excellent communication and collaboration skills
- Ability to work independently and creative thinking.

All our opportunities are open to people with disabilities.

Contract information

Type of contract: Fixed-term contract
Starting date: 1/10/2023
Duration: 12 months renewable
Working time: Full time - 39 hours per week
Remuneration: According to the current grids
Benefits: Collective catering, reimbursement of transportation fees up to 70%, supplementary health insurance
Location of the position: Orsay
Reference: 2023-07-UMR3348-IE01

Contact

Application, including a cover letter giving a brief description of previous achievement, a CV and at least one recommendation letter should be sent as a single pdf file to sarah.lambert@curie.fr.

Publication date: July 12th, 2023
Deadline for application: September 15th, 2023

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