Engineer in mass spectrometry (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 Metabolomics Technology platform offers cutting-edge analytical services to researchers at the Institut Curie, and users from national and international academic institutions and companies. The platform puts emphasis on project-specific tailor-made metabolome and lipidome analysis and method development. We are equipped with high performance hardware, including high resolution mass spectrometry (Orbitrap) and GCMS as well as high-performance liquid chromatography (HPLC) and automated direct infusion.

The successful candidate will work in a collaborative project involving pathologists at the Institut Curie hospital and our industry collaborators at OGD2 pharma (http://ogd2pharma.com). The candidate will be responsible for performing lipidomics analysis on patient derived xenografts focusing primarily on glycosphingolipids encompassing sample preparation, data acquisition and analysis.

https://institut-curie.org/plateforme/curiecoretech-metabolomics-and-lipidomics

Missions

- Sample preparation including sample homogenization, lipid extraction and sample infusion and acquisition in the mass spectrometer.
- Operation and maintenance of the mass spectrometer and robotic infusion device.
- Acquisition and analysis of lipidomics data using dedicated software.
- Statistical analysis of large scale lipidomics data.

Candidate Profile

Training and experience required

- Design engineer ("Ingénieur d'Etude") at minimum at Masters level.
- Deep knowledge in Chemistry and Bioanalytics.
- Previous experience with mass spectrometry.
- Previous experience with Lipidomics approaches.

Skills required

- A good command of the English language.
- Ambition and willingness to learn.
- Ability to work in a team.
• Organization and critical thinking.

All our opportunities are open to people with disabilities

Contract information

Type of contract: Fixed-term contract
Starting date: as soon as possible
Duration: 12 months
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: Orsay
Reference: 2023-10-UMR366/U1143-ING01

Contact

Please send your CV, letter of motivation and 2 references, to Julio Lopes Sampaio (julio.lopes-sampaio@curie.fr).

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Deadline for application: November 30th, 2023

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