



Mass Spectrometry Engineer (F/M)

HIRING DATE 01/09/2020

LOCATION 26 rue d'Ulm 75248 Paris cedex 05

ÉTABLISSEMENT Institut Curie

WORKING ENVIRONMENT AND CONTEXT

The Institut Curie - PSL is a major player in research and the fight against cancer. It consists of a hospital and a research centre with a staff of about 1100 people.

The aim of the Institut Curie - PSL Research Centre is to develop fundamental research and to use the knowledge produced to improve the diagnosis, prognosis and therapy of cancer within the framework of the continuum between fundamental research and innovation at the service of the patient.

Notre établissement fait partie de l'Université PSL. Située au cœur de Paris, celle-ci fait dialoguer tous les domaines du savoir, de l'innovation et de la création. Classée parmi les 50 premières universités mondiales, elle forme au plus près de la recherche des chercheurs, artistes, ingénieurs, entrepreneurs ou dirigeants conscients de leur responsabilité sociale, individuelle et collective.

HOSTING STRUCTURE

The Metabolomics technology platform recently set up within CurieCoreTech offers access to cutting-edge analytical services to Institut Curie researchers, and more broadly to external users from academic institutions and companies in France and abroad. This platform will focus on analyses and methodological developments in metabolomics and lipidomics tailored to each research project. The platform is equipped with high-performance equipment: high-resolution mass spectrometry (Orbitrap), GCMS and triple quadrupole spectrometers, as well as high-performance liquid chromatography (HPLC), ion chromatography (IC) and automated direct infusion.

MISSIONS

MAIN TASKS

The selected candidate will receive training on the use and maintenance of all equipment, as well as on data analysis software. Training will be provided by equipment suppliers and will lead to certification. The engineer will be responsible for sample preparation, operation and maintenance of the equipment.

The main tasks are :

- Sample preparation, including sample homogenization, metabolite extractions and purification for metabolite analysis
- Operation and maintenance of various chromatography apparatus
- Operation and maintenance of mass spectrometers
- Acquisition and analysis of metabolomics data, using dedicated software
- Development of methods under the supervision of the Platform Manager for sample preparation, chromatographic separation and optimization of data acquisition.

APPLICANT PROFILE

KNOWLEDGE AND QUALIFICATIONS EXPECTED

- In-depth knowledge of Chemistry and Bioanalysis required

OPERATIONAL KNOWLEDGE

- Experience in chromatography and mass spectrometry required
- Appreciated experience of experimental approaches in Metabology and Lipidomics

DIGITAL QUALIFICATIONS

- Ability to program in different programming languages appreciated

LANGUAGE SKILLS

- Good English language skills

SOFT SKILLS

- Ambition and commitment to learning
- Ability to work in a team
- Organization and critical thinking

NON DISCRIMINATION, OUVERTURE ET TRANSPARENCE

Notre établissement, comme l'ensemble de l'Université PSL, s'engage à soutenir et promouvoir l'égalité, la diversité et l'inclusion au sein de ses communautés. Nous encourageons les candidatures issues de profils variés, que nous veillerons à sélectionner via un processus de recrutement ouvert et transparent.

APPLICATION PROCESS

Send CV, cover letter and contacts of at least 2 references by email to :
Julio Lopes Sampaio (julio.lopes-sampaio@curie.fr)

CONTACT

Lopes Sampaio Julio
julio.lopes-sampaio@curie.fr

OTHER INFORMATION

Type de contrat / de poste : **CDD**
Durée du contrat : **24 months**

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