	Job offer — Research Engineer in MALDI Imaging and LC-HRMS Mass Spectrometry **Spatial Multi-Omics platform - IHU EVEREST / UCBL**

Location: Spatial Multi-Omics Platform, IHU EVEREST, La Doua campus, ISA
Contract: Research Engineer fixed-term contract, 18 months
Start date: As soon as possible
Employer: Université Claude Bernard Lyon 1
Salary: According to experience and UCBL salary scales

Context :

The Spatial Multi-Omics Platform at IHU EVEREST is recruiting a Research Engineer specialised in MALDI imaging and LC-HRMS mass spectrometry, in order to strengthen its analytical activities dedicated to spatial molecular characterisation and metabolomic profiling of biological samples, with a particular focus on chronic liver diseases.

The platform is equipped with high-resolution mass spectrometry technologies, including a timsTOF fleX, enabling integrated workflows in MALDI imaging, MALDI-2, LC-HRMS/MS and spatial multi-omics analysis.

Main responsibilities :

The successful candidate will contribute to the development, acquisition, processing and interpretation of mass spectrometry data.

The main duties will include:

- Preparation of biological samples for MALDI imaging and LC-HRMS analyses.
- Acquisition of MALDI imaging data using a timsTOF fleX instrument.
- Development and optimisation of MALDI, MALDI imaging and LC-HRMS/MS methods.
- Contribution to metabolomics, lipidomics and spatial multi-omics analyses.
- Processing of data generated by MALDI imaging and LC-HRMS workflows.
- Implementation of robust analytical workflows.
- Participation in quality control, first-level instrument maintenance and performance monitoring.
- Interaction with biological, clinical and bioinformatics teams involved in the platform's projects.
- Contribution to the writing of protocols, technical reports, figures and scientific documents.

Candidate profile :

Education : Applicants should hold a Master's degree, engineering degree or PhD in analytical chemistry, mass spectrometry, metabolomics, lipidomics, spatial omics, bioanalysis or a related discipline.

Experience : the following experience would be desirable:

- Experience in high-resolution mass spectrometry.
- Experience in LC-HRMS and/or LC-MS/MS.
- Experience in MALDI imaging would be highly appreciated.
- Experience with Bruker instruments, particularly timsTOF fleX, would be a strong asset.

Required skills

- Good knowledge of mass spectrometry applied to biological samples.
- Strong interest in, or practical experience with, MALDI imaging.
- Ability to handle complex biological samples.
- Experimental rigour and strong attention to quality control.
- Ability to work in a multidisciplinary environment.
- Autonomy, organisation, communication skills and team spirit.
- Skills in data processing using Python, R, SCiLS Lab, MetaboScape, DataAnalysis, MZmine or equivalent tools would be appreciated.

Working environment : The successful candidate will join a dynamic technological platform at the interface between analytical chemistry, biology, medicine, molecular imaging and bioinformatics. They will contribute to translational and methodological research projects based on spatial multi-omics approaches.

Application procedure :

Applicants are invited to send:

- A CV.
- A cover letter or short statement of motivation.
- Contact details of referees.

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