**Lab Technician in Mass Cytometry, Imaging Mass Cytometry, and mass spectrometry
at CMMI
(F/M/X)**

The CMMI (Center for Microscopy and Molecular Imaging) is a core facility created by UMONS (Université de Mons) and ULB (Université Libre de Bruxelles) to assist academic researchers in their projects and to support the fast-growing surrounding biotech ecosystem (Biopark Charleroi). Projects we are involved in are interdisciplinary but mainly oriented towards life sciences and biomedical sciences, with a strong focus on advanced imaging, molecular characterization, and data analysis. Through access to state-of-the-art technologies and expert support, the CMMI enables researchers to address complex biological questions from fundamental research to translational applications.

CMMI has a new department from UMONS dedicated to Mass Cytometry, Imaging Mass Cytometry, and mass spectrometry. These emerging tools for studying single-cell and spatial biology, as well as for mapping the spatial distribution of metabolites and lipids across tissue surfaces, will further strengthen the platform's capabilities, add another string to the bow adding a new dimension and completing the ex vivo proposition already in place (digital pathology by immunohistochemistry or immunofluorescence).

The platform, located in Gosselies (Charleroi) within the Biopark, is currently looking for a laboratory technician who is available to start immediately

Mission and functions:

As a technologist, you will work under the responsibility of the Lab Manager and collaborate with researchers, engineers, and clinicians. You will play a central role in supporting high-dimensional single-cell analyses using Mass Cytometry (CyTOF) and Imaging Mass Cytometry (IMC). Your main missions will include*:*

- Sample preparation for CyTOF and IMC, including cell staining, viability assessment, fixation, and metal-conjugated antibody handling. Operation of CyTOF instruments (CyTOF XT / Hyperion), including tuning, QC, troubleshooting, and acquisition of samples. Preparation and management of antibody panels, including titration, validation, and aliquoting.
- Instrument maintenance, daily, weekly, and monthly (cleaning cycles, maintenance, solution preparation).
- Management of sample and data workflow, including FCS file transfer, organization, and archival using platform-specific tools.
- Basic data preprocessing, such as bead normalization and initial quality assessment. Lab logistics management of supplies and data storage, …

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cmmi
excellence in preclinical imaging

- Training and support for autonomous users, as well as participation in the training of university students.
- Participation in method development, protocol optimization, and pilot studies with academic and industrial partners. Adherence to biosafety and quality-assurance procedures during all laboratory activities.

Your profile

You hold a bachelor's or master's degree in life sciences or related fields. You are meticulous, rigorous, and quality-oriented, with strong organizational skills and the ability to integrate into a multidisciplinary team.

Main requirements are:

- Experience in flow cytometry, CyTOF, or cell-based assays is a strong asset.
- Experience in histology is a plus (for IMC workflows).
- You have an interest in high-dimensional single-cell and spatial technologies and scientific research.
- You are precise, organized, and comfortable following standardized protocols.
- You respect safety guidelines and laboratory procedures.
- You demonstrate initiative, communication skills, and team spirit.
- You have a service-oriented mindset, supporting internal and external users.
- Proficiency in English is an advantage.

Our offer:
- A full-time fixed-term contract
- The prospect of a permanent contract after 2 years
- The opportunity to take on a varied role
- Location: Biopark ULB Charleroi

Interested candidates are encouraged to submit their motivation letter and their curriculum vitae by the 13th of February to the following addresses: hussein.shehade@umons.ac.be and to natacha.Lourette@umons.ac.be , cc. ruddy.wattiez@umons.ac.be