

The CMMI (Center for Microscopy and Molecular Imaging. <https://www.cmmi.be>) is a core facility created by UMONS (Université de Mons) and ULB (Université Libre de Bruxelles). It assists academic researchers in their projects and to support the fast-growing surrounding biotech ecosystem (Biopark Charleroi. <https://biopark.be/en>). Projects that we are involved in, are interdisciplinary but mainly oriented towards life sciences and biomedical sciences.

Our multidisciplinary teams provide knowhow in fluorescence and electronic microscopy as well as a remarkable *in vivo* imaging expertise in small animals including both ionizing imaging modalities and non-ionizing imaging approaches and optical imaging. We also carry out validation of tissue-based biomarkers using standardized immunohistochemistry digital pathology investigations, with up to date automates. Finally, experts devoted to multimodal image processing provide transversal support for image processing, analysis and data quantification. Projects, in which we are involved in, are interdisciplinary, but mainly oriented towards life sciences and biomedical sciences. Our teams bring their state-of-the-art equipment as well their expertise while developing new protocols and techniques and participating in research consortia.

During 2024, CMMI will welcome a new department from UMONS (Prof. R. Wattiez. <https://web.umons.ac.be/en/missions/research>) dedicated to imaging mass cytometry and spectrometry. These emerging tools for mapping the spatial distribution of proteins, DNA/RNA, metabolites and lipids across tissue surfaces will add an additional skill, completing the *ex vivo* proposition already in place (Digital pathology by Immunohistochemistry or immunofluorescence).

***Job opportunities. :***

We are currently **recruiting 2 scientific professionals with backgrounds** in **Cell Cytometry, or/and Mass spectrometry Imaging**. In these new roles, your collaborative mindset is as valued as your scientific expertise.

**Job description 1 : Post-Doc research position** in the field of high-plex imaging

**Job description 2 : Post-Doc research position -Mass Spectrometry Imaging Specialist**

### Job description 1: Post-Doc research position in the field of high-plex imaging

We are seeking a highly motivated and skilled Cell Imaging Scientist to join our growing team. This person will be a key player in our interdisciplinary team and will play a crucial role in new project. The ideal candidate will have a strong background in cell imaging and cell biology in addition of a passion for both biology into an interdisciplinary work environment.

#### Responsibilities

- Responsible for the development of the Imaging Mass cytometry unit in the CMMI
- Responsibility for data analysis and data management in the context of the project
- Contribution to scientific publications and grant applications
- Diligent project management, administration and reporting
- Maintaining and developing scientific excellence in Imaging Mass Cytometry (IMC)

#### Requirements

- PhD in biology or chemistry
- Knowledge of Cell Imaging especially Imaging Mass Cytometry (IMC)
- Abilities to design, develop and publish methods addressing current needs in Cell Biology research
- Extensive experience documented by first and/or last author publications
- Excellent understanding of analytical techniques such as Cell imaging or cellular Biology
- Strong cellular Biology skills
- Thorough understanding of biochemistry
- high level of organization and efficiency
- Excellent oral and written communication skills in English

#### Also a plus

- Domain knowledge in Biomarkers, in Mass spectrometry and/or Cell Cytometry

#### Offer details

Evaluation of applications will be based on scientific excellence. Successful candidates will be offered a full-time temporary position of 2 years, with possibility of extension.

Salary depends on seniority (6 years max.) and are in accordance with the internal University agreement. The Post-Doc is expected to start in April-June 2024.

Interested candidates are encouraged to submit their motivation letter and their curriculum vitae to **ruddy.wattiez@umons.ac.be**. The deadline for the submission is **30<sup>th</sup> April 2024**. Short-listed candidates will be contacted in April-May 2024 for on-campus interviews. The ProtMic laboratory and CMMI values diverse perspectives and is committed to continually supporting, promoting, and building an inclusive and culturally diverse high-tech campus environment.

**Employment Type** :Full-time

CMMI, 8 rue Adrienne Bolland 6041 Gosselies (Belgium). BioPark. <https://biopark.be/en>



## Job description 2 : Post-Doc research position -Mass Spectrometry Imaging Specialist

We are seeking a highly motivated and skilled Mass Spectrometry Imaging Scientist to join our growing team. This person will be a key player in our interdisciplinary team and will play a crucial role in developing area in center for Microscopy and Molecular Imaging (CMMI). The ideal candidate will have a strong background in Cell Imaging and Mass Spectrometry in addition of a passion for both Biochemistry and Small Molecule Chemistry works.

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### Responsibilities

- Responsible for the development of the mass spectrometry imaging unit in the CMMI
- Responsibility for data analysis and data management
- Contribution to scientific publications and grant applications
- Diligent project management, administration and reporting
- Maintaining and developing scientific excellence in Mass Spectrometry Imaging

### Requirements

- PhD in biology or chemistry
- Knowledge of mass Spectrometry Imaging
- Abilities to design, develop and publish methods addressing current needs in Cell Biology research
- Extensive experience documented by first and/or last author publications
- Excellent understanding of Mass spectrometry
- Strong Small Molecule Chemistry skills
- Thorough understanding of biochemistry
- High level of organization and efficiency
- Excellent oral and written communication skills in English

### Also a plus

- Domain knowledge in Biomarkers, in MALDI and/or DESI Mass spectrometry

### Offer details

Evaluation of applications will be based on scientific excellence. Successful candidates will be offered a full-time temporary position of 2 years, with possibility of extension.

Salary depends on seniority (6 years max.) and are in accordance with the internal University agreement. The Post-Doc is expected to start in April-June 2024.

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