

## **Full-time position for a scientist in the department of general, organic and biomedical chemistry (University of Mons)**

### **Key responsibilities**

We are currently seeking a highly motivated scientist to take part in a research project aiming at developing fragments of antibodies (FAR) for radioimmunotherapy. This project is characterized by a high level of interdisciplinarity, involving four complementary partners (Trasis, Xpress Biologics, University of Mons and the Center for Microscopy and Molecular Imaging)

The objectives of the project are :

- Production of FAR (Xpress Biologics)
- Chemical synthesis of linkers and chelates for the derivatization of FAR (UMONS)
- Automated radiolabelling of FAR for imaging and therapy (Trasis)
- Preclinical efficacy assessment for tumor treatment using both diagnostic and therapeutic FAR (CMMI).

As part of the department of general, organic and biomedical chemistry, the candidate will focus on the synthesis of macrocyclic ligands to chelate the radioisotope as well as on the derivatization of FAR with these ligands.

The candidate should have experience in organic synthesis and related characterization techniques. The candidate is expected to develop multi-step synthesis for the preparation of macrocyclic ligands as well as assisting the UMONS team with other projects . The candidate is expected to conduct research, write reports and articles, and give conferences.

### **Key requirements**

- A M.Sc. or a PhD degree in chemistry is required
- Rigorous
- Well-organized and reliable
- Highly-motivated and autonomous
- Excellent communication skills in English and French

### **Our offer**

Position (12 months) opening from July 2022 in the University of Mons.

A CV and a cover letter describing background and interest in the project should be sent to Prof. Sophie Laurent *via* email to [sophie.laurent@umons.ac.be](mailto:sophie.laurent@umons.ac.be).