

## Research Engineer Position (2 years, Dijon, France)

Starting date: Asap

The Institut de Chimie Moléculaire de l'Université de Bourgogne (ICMUB), in Dijon is involved in the development of innovating tools for medical imaging techniques such as nuclear imaging (PET/SPECT) or fluorescence imaging. The group is specialized in the design of new imaging probes, such as chelators (i.e. DOTA-like compounds), fluorophores, as well as their immobilization on biological vectors (peptides, antibodies, ...) through innovative bioconjugation chemistry.

In the frame of the MULTIMOD program supported by the Regional Council and the European Union, ICMUB is seeking a **highly motivated candidate with strong chemistry and bioconjugation background to design, prepare and characterize protein or peptide-based conjugates for imaging/therapy purposes**. The selected candidate will have the opportunity to closely interact with the local imaging cluster and the preclinical imaging platform members. He/she will contribute to the team's mission of delivering in time, fully defined conjugates to our academic/industrial partners.

The successful candidate will have the following responsibilities:

- Involvement in various R&D and public/private programs
- Synthesis of bioconjugates, by modification of home-made proteins/peptides or coming from our partners
- Development and implementation of robust analytical methods to fully characterize antibody-based conjugates
- Synthesis of specific molecular probes, in collaboration with researchers involved in technology transfer programs
- Preparation of technical documents, summary reports and regular updates on project status
- Participation to valorization actions.

### Essential requirements:

- PhD degree
- Proven track record in organic chemistry and protein labelling
- Strong experience with chromatography and mass spectrometry data analysis and method development
- Ability to execute technical tasks independently to achieve projects goals on an established timeline and to work in a collaborative environment
- Highly organized and able to manage multiple tasks
- Excellent written and oral communication skills, adaptability

### Preferred but not required:

- Experience in radiochemistry and molecular imaging

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