

Post-doctoral researcher in a ERC AdG team

2 Postdoctoral positions (2 years) in organic chemistry are available in the group of Prof. A.-S. Duwez, in the framework of the ERC Advanced Grant project *ChemForce*

(<https://cordis.europa.eu/project/id/101054338>).

We are looking for highly motivated postdoctoral researchers to join our team dedicated to Single-Molecule Force Spectroscopy (SMFS). You will be part of the NANOChem group (<https://www.nanochem.uliege.be>), Department of Chemistry and UR MolSys, of the University of Liege. You will synthesize the molecules containing tethered bonds that will be studied in the ERC *ChemForce* project. You will join several other postdoctoral researchers, PhD students and staff (chemists and physicists) carrying out experimental research on Atomic Force Microscopy (AFM)-based SMFS and Optical Tweezers-based SMFS. You will have access to a wide range of in-house experimental facilities and a network of leading international collaborations.

Responsibilities

You will synthesize the molecules that will be studied by PhD students using single-molecule force spectroscopy. You will work in close collaboration with them.

You will be introduced to the ongoing research.

You will contribute with your own expertise and will receive additional training.

You will carry out research at the highest international standards.

Profile

You hold a PhD in Organic Chemistry.

You are experienced in multi-step synthesis and in developing synthesis protocols.

Knowledge in macrocyclic chemistry is a plus.

Excellent knowledge of English is mandatory (spoken and written).

Resourceful, ambitious and internationally oriented.

Capability to work in a team as well as independently, problem-solving attitude.

Specific Requirements

Experience in multi-step organic synthesis and in developing synthesis protocols is mandatory

Knowledge in macrocyclic chemistry is a plus.

Eligibility criteria

Strong experience in synthetic chemistry

Selection process

Interested candidates should send a CV, publication list, the names and addresses of 2 senior scientists willing to act as their referees, and a description of research accomplishments to:

Prof. Anne-Sophie Duwez

email: asduwez@uliege.be