

ORGANISATION/COMPANY	LOCATION
Université de Liège (ULg)	Belgium › Belgium
RESEARCH FIELD	TYPE OF CONTRACT
Chemistry	Temporary
Physics	JOB STATUS
RESEARCHER PROFILE	Full-time
Recognised Researcher (R2)	HOURS PER WEEK
APPLICATION DEADLINE	38
31/07/2018 20:00 - Europe/Brussels	OFFER STARTING DATE
	01/09/2018

A post-doctoral position is available at the University of Liege, Belgium, in the group of Prof. A.-S. Duwez. <http://www.nanochem.ulg.ac.be>

Appointment is nominally for one year with the possibility for renewal, subject to mutual satisfaction.

**Research description:**

Single molecule measurements using AFM-based force spectroscopy on prototypes of molecular machines. The project aims at studying the mechano-chemical behaviour of a macrorotaxane (i.e. [2]rotaxanes – molecular machine prototypes made of a molecular ring threaded onto a molecular axle – where the thread is a polymer chain). See our previous study on similar systems for a better idea of the research: <http://www.nature.com/nnano/journal/v6/n9/full/nnano.2011.132.html> and <https://www.nature.com/articles/s41565-017-0033-7>

**Requirements:**

ENGLISH: Excellent

Skills/Qualifications : The candidate (She/He) should have a PhD in physics, chemistry, engineering or equivalent, with relevant experience in Atomic Force Microscopy and related techniques.

Specific Requirements : Relevant experience in Atomic Force Microscopy and related techniques.