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](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](http://www.nature.com/nnano/journal/v6/n9/full/nnano.2011.132.html) and [https://www.nature.com/articles/s41565-017-0033-7](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.