

## Postdoc in Belgium: Life at the Nanoscale

Postdoctoral positions (12 to 24 months) are available in 2011 in the Dufrene team to study cell surfaces and cellular interactions at the molecular level using atomic force microscopy (AFM) techniques: i) development of novel AFM-based methods for probing cellular surfaces (advanced procedures for sample preparation and tip functionalization, real-time imaging of live cells, chemical force microscopy, recognition imaging, single-molecule stretching and manipulation), ii) detailed understanding of the nanoscale properties of microbial cells, and of the molecular basis of pathogen interactions (nanoscale imaging of single cells while they grow, divide or interact with drugs, chemical imaging of live cells, stretching of polysaccharides and proteins, localization and force probing of cell surface receptors and sensors).

More info: <http://www.uclouvain.be/en-79871.html>.

Applicants should have a strong background in biophysics or physical chemistry, be interested in the emerging field of nanobiosciences, and have the ability to work in a highly interdisciplinary environment. Interested candidates should send their curriculum vitae and the names of two references to [yves.dufrene@uclouvain.be](mailto:yves.dufrene@uclouvain.be): Prof. Yves F. DUFRENE, Institute of Condensed Matter and Nanosciences (IMCN), Université catholique de Louvain, Croix du Sud, 2/18, B-1348 Louvain-la-Neuve, Belgium.

