UCL Université catholique de Louvain

Institute of Life Sciences
NanoBioPhysics group

Postdoc position:

Deciphering virus-host interactions using correlated confocal-atomic force microscopy

The NanoBioPhysics group (Prof. David Alsteens) at UCL is looking for a talented postdoc to join an exciting **multidisciplinary project aiming at developing an innovative microscopy platform to decipher virus infection on living cell at the nanoscale.** This research is funded by an ERC Starting grant.

This research will be performed by combining molecular biology tools, atomic force microscopy using in particular multifunctional high-resolution imaging and spectroscopic approaches (force-distance curve-based AFM) and fluorescence/confocal imaging. In this ERC project we intend to go beyond the current limits of available techniques in virology and to develop and establish a multifunctional high-resolution tool that allow to image single mammalian cells and to simultaneously quantify the interactions that guide the virus entry at the single virus level.

Prerequisites: Ph.D. in chemistry/biology/biochemistry/biophysics, strong background in biophysics, experience with AFM force spectroscopy is desirable but not mandatory. Motivation to work with sophisticated instrumentation, spectroscopy, and computer-assisted data evaluation is important.

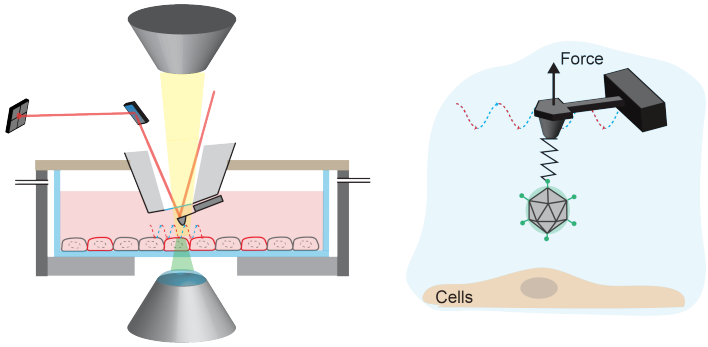
Conditions: Submission up to 6 years after the PhD. Fellowships are intended to promote international exchange.

We offer : Up to 5 years postdoc contract with competitive salary. Multidisciplinary project, high-quality international scientific environment.

Further information: see http://perso.uclouvain.be/david.alsteens.

The position is available Starting January 1st 2018.

Applications with CV, publication list, and 3 letters of recommendation directly to Prof. David Alsteens. Applications will be accepted until the position is filled.



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