



UNIVERSITAT DE BARCELONA



Facultat de Física
Departament Física Fonamental
Universitat de Barcelona

Avda. Diagonal, 645
E-08028 Barcelona (Spain)
Tel. 93 403 58 69
Fax 93 402 11 49
ritort@ffn.ub.es
<http://www.ffn.ub.es/ritort>

Barcelona, 31th March 2016

The Small Biosystems Lab from the University of Barcelona is offering a postdoctoral position to do research in the framework of PROSEQO (Protein Sequencing using optical single molecule real-time detection).

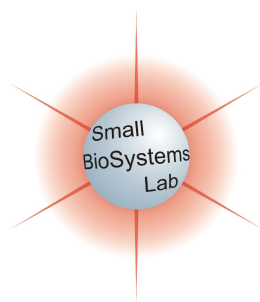
The position is for carrying out research in the development of a **plasmonic optical trap to control the translocation of a molecule through a nanochannel**. The candidate should have a PhD in sciences, preferentially physics, biology or chemistry. The candidate should also have skills and experience in optical instrumentation and preferentially (but not necessarily) in optical tweezers, plasmon physics or nanopores. Any previous experience with single molecule techniques and optical trapping will be specially considered. Most important, the candidate should be a very independent and **hard working person, highly motivated and ambitious**, aiming to develop a solid scientific career in a very interdisciplinary research environment. The lab aims to develop research at the highest international level, and candidates with different backgrounds that fit into this environment are especially encouraged to apply. The candidate will carry his/her individual research project and help the PI to supervise younger researchers and other projects in the lab.

The contract can start immediately and will be for one year with the possibility of an extension up to 3 years.

Interested candidates should send an email with a CV explaining research interests and previous experience to the following e-mail address fritort@gmail.com.

With kindest regards

Felix Ritort



Felix Ritort
Professor in Condensed Matter Physics
Small Biosystems Lab
Departament de Física Fonamental
Facultat de Física, Universitat de Barcelona
Carrer Martí Franquès, 1
08028 Barcelona, Spain
E-Mail: fritort@gmail.com, ritort@ffn.ub.es
Phone: +34-934035869
Fax: +34-934021149
Web: <http://www.ffn.ub.es/ritort>