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## Post-doctoral position in membrane-based nano-mechanobiology

ICFO is offering a postdoctoral position to a well-qualified, highly motivated and dynamic young scientist who wishes to enhance his/her scientific career in a friendly and stimulating environment.

The **Single Molecule Biophotonics group led by Prof. Dr. María García-Parajo** is looking for well-qualified, self-motivated and curiosity-driven candidates who wish to make original contributions in the field of Nano-MechanoBiology. The candidates will be part of an Advanced ERC project aimed to study how cell membrane adhesion receptors sense and respond to mechanical stimuli by changing their nanoscale organization and dynamics on the cell membrane and how this affects mechanotransduction and cell response. The project will combine cutting-edge super-resolution and single molecule imaging, molecular and cell biology together with specifically designed mechanical devices to exert and measure forces at the nanoscale. A strong effort will be placed on the development of suitable algorithms (including deep learning) for data quantification. We offer an outstanding scientific and stimulating environment with multiple interactions with international colleagues.

### Eligibility and Conditions

Candidates must hold an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the nearest future) preferably in cell biophysics, super-resolution microscopy, bioimaging analysis or related fields.

The candidate should have a proven track record of excellence in experimental research and/or bioimaging analysis. Strong background in integrin biology and mechanobiology are highly desirable.

ICFO is an equal opportunity employer. Candidates are selected exclusively on merit and potential on the basis of submitted application material. No restrictions related to disabilities, citizenship or gender apply to ICFO positions. ICFO abides by the principles of openness, efficiency, transparency, supportiveness, and international comparability as stated in the European Charter for Researchers and the European Code of Conduct for the Recruitment of Researchers.

Salaries for ICFO Postdoctoral positions are assigned by the Selection Committee, based on experience and seniority of the applicant, as well as the assigned tasks and responsibilities within the group. Standard salaries range from a lower level aligned with national Ramon-y-Cajal fellowships to higher levels aligned with Marie Skłodowska-Curie individual fellowships.

The contract is offered for a period of 3 years.

Additionally, a family allowance is also available on request and after corresponding approval for people with family charges in the terms described in the corresponding policy.

## Application procedure

Suitable candidates are requested to submit:

- Presentation letter with a declaration of interest,
- Curriculum Vitae, including contact details,
- The contact e-mail of two potential referees.

Candidates will be assessed as they apply and the call will remain open until the suitable candidate is identified.

Candidates may contact [jobs@icfo.eu](mailto:jobs@icfo.eu) for formal enquiries regarding the application, as well as address scientific enquiries to [maria.garcia-parajo@icfo.eu](mailto:maria.garcia-parajo@icfo.eu).

For update information about the hosting group, please visit <https://www.icfo.eu/research-group/21/smb/home>.

For updated information about ICFO, please visit <https://www.icfo.eu>.

## Deadlines

The call will remain open until