

## Research positions (Master-, PhD- and Postdoctoral in Membrane-based nano-mechanobiology\*



The *Single Molecule Biophotonics* research group at ICFO, led by Prof. dr. Maria Garcia-Parajo, is looking for well-qualified, highly motivated and dynamic young graduate students and scientists who wish to enhance his/her scientific career in a friendly, international and stimulating environment within the field of Nano-MechanoBiology.

The successful candidates will be part of a recently granted *Advanced ERC* project aimed to study how adhesion receptors of the immune cells 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 super-resolution microscopy, single molecule imaging, molecular and cell biology and will primary focus on cells of the immune system.

### Eligibility and Conditions

- PhD candidates must hold a Master-equivalent degree in Experimental Physics, Biophysics or Cell Biology.
- PostDoc candidates must hold an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the nearest future) preferably in cell biology, single molecule biophysics, super-resolution microscopy or related fields.
- Candidates should have a proven track record of excellence in experimental research. Strong background in integrin biology, cell mechanics or mechanotransduction are highly desirable.

**In case of interest, candidates may contact Prof. Dr. Maria Garcia-Parajo ([maria.garcia-parajo@icfo.eu](mailto:maria.garcia-parajo@icfo.eu)) for further details.**

*\* The positions will be funded by the Project "NANO-MEMEC: membrane based nano-mechanobiology", an ERC Advanced Grant awarded by the European Research Council established by the European Commission.*