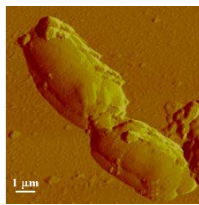
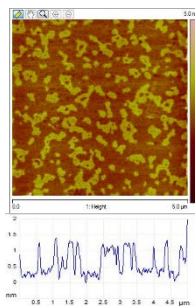


PhD Position Offer

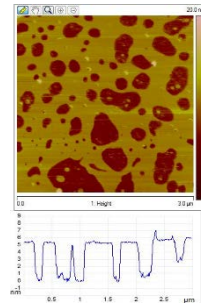
In the frame of *Microscopio de barrido de fuerzas eléctricas para medidas electrofisiológicas a la nanoescala* (Ref: TEC2016-79156-P) project, the **Nanostructure of Biomembranes Group** offer a FPI-PhD position to work in **Atomic Force Microscope (AFM)** in order to be able to access to the electrical properties of biological systems at the nanoscale such as biomembranes and single bacteria cells.



E.coli AFM Image



Lipid monolayer



Lipid bilayer

Contact: **Prof. Jordi Borrell** (jordiborrell@ub.edu) (deadline: 18/10/2017)
Dep. Pharmacy and Pharmaceutical Technology and Physical-Chemical
Faculty of Pharmacy and Food Sciences

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- *Critical Temperature of 1-Palmitoyl-2-oleoyl-sn-glycero-3-phosphoethanolamine Monolayers and Its Possible Biological Relevance*. Borrell, J.H and Domènech, Ò. Journal of Physical Chemistry B. Volume 121, Issue 28, 20 July 2017, Pages 6882-6889
- *Mapping phase diagrams of supported lipid bilayers by atomic force microscopy*. Borrell, J.H. , Montero, M.T. and Domènech, Ò. Microscopy Research and Technique. Volume 80, Issue 1, 1 January 2017, Pages 4-10