

Soft.Matter@PT 2015

Rodrigo F. M. de Almeida

Institution: CQB - University of Lisbon

E-mail: rfalmeida@fc.ul.pt

Web: <http://www.fc.ul.pt/node/2224>

ResearcherID: D-8629-2012

ResearchGate: https://www.researchgate.net/profile/Rodrigo_De_Almeida2

Expertise: Biomembrane molecular biophysics and biochemistry

	Colloids	Liquid Crystals	Polymers and Gels	Interfaces, surfactants	Foams, emulsions	Granular materials	Biological	Other (specify)
Experimental	✓			✓			✓	
Computacional								
Theoretical								

Description of expertise:

- Fluorescence spectroscopy.
- Liposomes and supported lipid bilayers preparation and characterization.
- Imaging of lipid nano/microdomains.
- Drug-biomolecule (lipid, protein, DNA) interactions.

Selected Publications (max 5):

- *A Biomimetic Platform to Study the Interactions of Bioelectroactive Molecules with Lipid Nanodomains*, [*Langmuir*, 30, 12627 \(2014\)](#).
- *Changes in membrane organization upon spontaneous insertion of 2-hydroxylated unsaturated fatty acids in the lipid bilayer*, [*Langmuir*, 30, 2117 \(2014\)](#).
- *Crystallization around solid-like nanosized docks can explain the specificity, diversity and stability of membrane microdomains*, [*Front. Plant Sci.*, 5, 72 \(2014\)](#).
- *Biomimetic membrane rafts stably supported on unmodified gold*, [*Soft Matter*, 8, 2007 \(2012\)](#).
- *Gel domains in the plasma membrane of *Saccharomyces cerevisiae*: highly ordered. sphingolipid-enriched, ergosterol-free lipid rafts*, [*J. Biol. Chem.*, 286, 5043 \(2011\)](#).