

Soft.Matter@PT 2015

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Expertise: Interfaces and wetting of simple fluids and liquid crystals

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

Description of expertise:

- Langmuir Monolayers and Langmuir-Blodgett films.
- Hydrophilic polymers characterization.
- Biomembrane models.

Selected Publications (max 5):

• *Interaction of Toremifene with dipalmitoyl-phosphatidyl-glycerol in monolayers at the air-water interface followed by fluorescence microscopy in Langmuir-Blodgett films, Thin Solid Films 2013, 534, 584-590.*

• *Effect of glucosylceramide on the biophysical properties of fluid membranes, BBA - Biomembranes 2013, 1828(3) 1122-1130.*

• *Structure, morphology and interfacial behaviour of ethylene/methacrylate copolymers, Journal of Polymer Research 2013, 20(90) 1-16.*

• *Microphase Separation in Mixed Monolayers of DPPG with a Double Hydrophilic Block Copolymer at the Air-Water Interface: A BAM, LSCFM, and AFM Study, Langmuir 2010, 26(22), 17165-17177.*

• *Schizophrenic Behavior of a Thermoresponsive Double Hydrophilic Diblock Copolymer at the Air-Water Interface, Langmuir 2010, 26, 1807-1815.*