

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	✓			✓				Biomaterials, ionic liquids
Computacional								
Theoretical								

Description of expertise:

- Surface tension, contact angle, and adsorption- experimental determination.
- Biomaterials characterization.
- Controlled drug release.
- Biomembrane models.

Selected Publications (max 5):

- *Comparison of two hydrogel formulations for drug release in ophthalmic lenses, J. Biomed. Mater. Res. B. 102 B, 1170 (2014).*
- *Effect of Tetracaine on DMPC and DMPC+Cholesterol Biomembrane Models: Liposomes and Monolayers, Colloids Surfaces B: Biointerfaces 116, 63 (2014).*
- *Moisture Absorption in Ionic Liquid Films, J. Phys. Chem. C, 117, 10454 (2013).*
- *Anesthetics interacting with lipid rafts, Eur. J. Pharm. Sci. 48, 153 (2013).*
- *Surface Tension of Ionic Liquids and Ionic Liquid Solutions. Chem. Soc. Rev., 41, 829 (2012).*

