

Soft.Matter@PT 2015

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ResearchGate:

Expertise: Nanoparticles, Liquid Crystal Elastomers, Cellulosic Liquid Crystals

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

Description of expertise:

- Production of non-woven cellulosic membranes from liquid crystalline phases.
- Morphological characterization by Scanning Electron Microscopy.

Selected Publications (max 5):

- *Helical Twisting of Electrospun Liquid Crystalline Cellulose Micro- and Nanofibers*, [*Advanced Materials* 2008, 20, 4821-4825.](#)
- *How to mimic the shapes of plant tendrils on the nano and microscale: spirals and helices of electrospun liquid crystalline cellulose derivatives*, [*Soft Matter*, 2009, 5, 2772.](#)
- *Self-winding of helices in plant tendrils and cellulose liquid crystal fibers*, [*Soft Matter*, 2010, 6, 5965.](#)
- *Cellulose Perversions*, [*Materials*, 2013, 6, 4, 1377 - 1390.](#)