

Soft.Matter@PT 2015

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Expertise: Interfaces and wetting of simple fluids and liquid crystals

	Colloids	Liquid Crystals	Polymers and Fibers	Interfaces	Foams, emulsions	Granular materials	Cellulose Networks	Other (specify)
Experimental		✓	✓	✓	✓		✓	
Computacional								
Theoretical								

Description of expertise: Cellulose liquid crystalline networks and Liquid Crystals.

Selected Publications (max 5):

- Canejo JP, Borges JP, Godinho MH, Brogueira P, Teixeira PIC, Terentjev EM, "Helical Twisting of Electrospun Liquid Crystalline Cellulose Micro- and Nanofibers", *Advanced Materials*, 20, 4821, 2008.
- Geng Y., Almeida P.L., Fernandes S.N., Cheng C., Palffy-Muhoray P., Godinho M.H., "A cellulose liquid crystal motor: a steam engine of the second kind", *Scientific Reports*, 3, 1028, 2013.
- Geng Y., Sec D., Almeida P. L., Lavrentovich O. D., Zumer S., Godinho M.H., "Liquid crystal necklaces: cholesteric drops threaded by thin cellulose fibres", *Soft Matter*, 9, 7928-7933, 2013. *Soft Matter themed collection Hot paper 2013 (Cover)*
- Trindade AC, Canejo JP, Teixeira PIC, Patrício P, Godinho MH, "First Curl, Then Wrinkle", *Macromolecular Rapid Communications*, 34, 1618-1622, 2013 (Cover)

- Trindade A. C., Canejo J. P., Patricio P., Brogueira P., Teixeira P. I., Godinho M. H., "Hierarchical wrinkling on elastomeric Janus spheres", *Journal of Material Chemistry*, 22, 22044-2049, 2012.