

Soft.Matter@PT 2015

Coro Echeverria

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Expertise: Polymer Liquid Crystals, gels, microgels and rheology.

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

Description of expertise:

- Experimental.
- Polymer characterization. Analysis of structure-properties relationship.
- Synthesis and characterization of thermoresponsive microgels.

Selected Publications (max 5):

- *Rheo-NMR study of water-based cellulose liquid crystal system at high shear rates*, [Polymer 65, 18-25 \(2015\)](#)
- *Hybrid polystyrene based electrospun fibers with spin- crossover properties*. [Journal of Polymer Science Part B: Polymer Physics 53 \(11\), 814-821 \(2015\)](#)
- *Novel strategy for the determination of UCST-like microgels network structure: effect on swelling behavior and rheology*, [Soft Matter, 8 \(2\), 337-346 \(2012\)](#)
- *Effect of gold nanoparticles on the thermosensitivity, morphology, and optical properties of poly (acrylamide–acrylic acid) microgels*, [Macromolecular Rapid Communications, 31 \(1\) , 54-58 \(2010\)](#)
- *UCST Responsive Microgels of Poly (acrylamide– acrylic acid) Copolymers: Structure and Viscoelastic Properties*, [Macromolecules 42 \(22\), 9118-9123 \(2009\)](#)