

CV Profile (max. 2 pages length)

1 *Cristina Cuscó Marigó*

Research interests

Drug Delivery Systems
Nanodelivery Systems
Targeted Delivery Systems
Targeted Therapies
Polymer Nanoparticles
Nanocapsules
Nanotechnology
Polymers

Education

PhD: (01/05/2014- 22/03/2018) – Industrial PhD (Doctorat Industrial)

Title: Multisensitive polyurethane/polyurea nanocapsules for smart drug delivery.

Ecopol Tech, S.L. and Organic Chemistry Department (University of Barcelona). Supervisors: Dr. Josep Rocas and Dr. Ernesto Nicolás.

Research stay at Richi Foundation (Boston, MA, US), Faculty of Medicine (University Hospital Bellvitge, UB) and Polytechnic University of Catalonia (UPC).

MSc: (01/09/2011- 15/07/2012) – Molecular Biotechnology

Title: Dual role of Cu²⁺ ions on the aggregation and degradation of soluble A β oligomers and protofibrils.

Faculty of Pharmacy (UB) and Bioinorganic Chemistry group (UB). Supervisor: Prof. Patrick Gamez (ICREA).

BSc: (01/09/2007- 25/06/2011) Chemistry

Faculty of Chemistry (UB) and Universiteit Ghent (UGent)

Experience

International Project Manager at Vall d'Hebron Institute of Research: March 2019 – Present (18 months)

- Preparation of proposals for different H2020 programs (SC1, MSCA, NMBP, FTI, ERC, CHAFEA, DT, IMI2, ERA-NET, FET-Open) and private funding organizations. Proposal writing, administrative and budget managing.
- Coordination of multi-beneficiary proposals among public and private partnerships across Europe and beyond.
- Delivery of seminars on International Funding Opportunities.

Head of Nanobiotech Pharma Division at Ecopol Tech, S.L.: March 2018 – March 2019 (12 months)

- R&D Management of research projects on nanoparticles as Drug Delivery Systems. Objective prioritization, development of new research lines and optimization of products and processes.
- Supervision of a PhD student (Joaquin Bonelli Blasco) in collaboration with UB, IRSICAixa and Hospital Clínic.
- Preparation of patents and proposals for national and international calls and technical justification of projects.
- Experimental work both in laboratory and pilot plant under ISO 7 and 8.

R&D Project Manager / PhD student at Ecopol Tech, S.L.: May 2014 – March 2018 (3 years and 10 months)

- Synthesis of polyurethane/polyurea nanoparticles with amphiphilic and amphoteric properties for Oncology, Immunotherapy and Regenerative Medicine purposes.
- Research stay at the Department of Pathology and Experimental Therapy (UB). Training in biological characterization techniques: cell cultures, Flow Cytometry and Confocal Microscopy.
- Research stay at the Department of Biomaterials, Biomechanics and Tissue Engineering (UPC). Training in processing Ti samples with nanoparticles.
- Placement in Boston (MA, USA) as a participant of Richi Immersion Program, intended to young entrepreneurs willing to introduce themselves into potent biotech ecosystems.
- Preparation of research papers, posters and oral presentations in national and international congresses. Preparation of SME Phase II proposals.

R&D Chemist: September 2012 – April 2014 (1 year and 7 months)

- Synthesis and characterization of water-based microencapsulated molecules as cosmetics.
- Synthesis of added-value polymers for haircare applications. Preparation and formulation of film-forming polymers with different properties. Chemical characterization and application tests.
- Coordination and execution of a European project (BioRefine-2G, Project No. FP7-613771) to produce biopolymers obtained from renewable sources.

Contact information

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