

Dr. Calogero Fiorica

Lab of Biocompatible Polymers

Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF), Palermo University

• **Education and training**

- **From January 2008 to March 2011:** PhD in "Technologies of Biologically Active Substances". Thesis entitled: "Preparation and characterization of new biocompatible scaffolds for applications in regenerative medicine", carried out at the Laboratory of Biocompatible Polymers, Department of Chemistry and Pharmaceutical Technologies of Palermo University.
- **From March 2008 to December 2008:** Training period at the "Department of Engineering Materials" The Kroto Research Institute of Sheffield University (United Kingdom).
- **October 2007:** Graduation in Pharmaceutical Chemistry and Technology. Thesis entitled: "In situ gel forming systems of a polyaspartamide-g-poly(lactic acid) copolymer for the potential release of protein drugs", carried out at the Laboratory of Biocompatible Polymers Department of Chemistry and Pharmaceutical Technologies of Palermo University.

Work experience:

- **From October 2022: Associate professor**) at the Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF) of Palermo University. SSD CHIM/09
- **From January 2021 to from October 2022:** assistant professor (RTD-B) at the Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF) of Palermo University. SSD CHIM/09
- **From December 2015 to December 2020:** assistant professor (RTD-A) at the Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF) of Palermo University. SSD CHIM/09
- **From December 2011 to December 2015:** research fellow at the Department of Molecular and Biomolecular Sciences and Technologies (STEMBIO) of Palermo University. Research activity on development of hybrid and/or composite polymeric matrices for the repair and regeneration of connective and epithelial tissues
- **From March 2011 to December 2011:** research fellow for Nemysis Ltd, Unit 1E, Block 71, The Plaza, Park West Business Park, Nangor Road, Dublin 12. Activities carried out at the Department of Pharmaceutical Chemistry and Technologies of Palermo University. Research activity on development of polymeric matrices for oral administration of proteins.

Main research field:

Production of innovative polymeric biomaterials for the development of three-dimensional supports to be used in the field of regenerative medicine and drug delivery. These supports are produced using biofabrication techniques such as electrospinning, 3D printing and microfluidic technique and are used for the delivery of different bioactive molecules.

Scientific production

Author of more than 70 scientific publications on international journals, 1 book chapters, 1 pending national patents and more than 40 Communications at Congress.

Scientific Society affiliation

Member of Controlled Release Society – Italy Chapter

Member of "Associazione Docenti e Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche" (A.D.R.I.T.E.L.F.)

Member of "Società Chimica Italiana (SCI) – Sezione di Tecnologia Farmaceutica"