

Curriculum Vitae Eliana Grazia Leo

Current position: Associate Professor (SSD CHIM/09)
Membership Department of Life Sciences, University of Modena and Reggio Emilia (UniMoRe), Modena, Italy
E-mail: eliana.leo@unimore.it
Orcid number orcid.org./0000-0003-4721-1676
Scopus Author ID 7005809615
H index 26 (Scopus)
Total number of citations 2177 (Scopus)

Education and Training

1995 -1996. Post-doctoral fellowship in the research unit directed by Prof. Patrick Couvreur (supervisor Prof. Elias Fattal) at the Université Paris-XI, “Centre d'études Pharmaceutiques, Physico-Chimie - Pharmacotechnie - Biopharmacie, URA CNRS 1218”, Chatenay-Malabry. (today Institute Galien, Université Paris-Saclay).

1991 – 1994. PhD in "Drug Chemistry, VII cycle" at the University of Milan. Title obtained with a final dissertation entitled: "Nanoparticle systems for the delivery and direction of the drug" (Tutor Prof. Flavio Forni).

1991 Qualification to practice the profession of Pharmacist

1991 Degree in Pharmaceutical Chemistry and Technology at the University of Modena with 110/110 cum laude.

1985 High school diploma “Maturità classica” "G. Palmieri" Lecce.

Professional Qualifications

2023-present: National scientific qualification as full professor in SSD CHIM/09 (competition sector 03/D2)

2012 – present: Associate Professor at the Department of Life Sciences (DSV) of UniMoRe in the SSD CHIM/09

2007 - 2012: Associate Professor at the Faculty of Pharmacy of UniMoRe in the SSD CHIM/09

2002 - 2007: Associate Professor at the Faculty of Biosciences and Biotechnology of UniMoRe in the SSD CHIM/09

1996 - 2002: Researcher (RU) at the Faculty of Pharmacy of the University of Modena

Other Activity

2020- present: Co-founder e COO of the Innovative Start-up of UniMoRE “PerFormS”(www.performslab.it)

2020- present: Disciplinary expert of the Quality Assurance of the University of Modena and Reggio E.

Academic assignments

2021 - present president of the Teacher-Student Joint Commission of the Department of Life Sciences of UniMoRe

2017 - 2021: member and representative of the Pharmacy area in the Teacher-Student Joint Commission of the Department of Life Sciences - UniMoRe

2007 - 2017: member of the Quality Commission for the Master's Degree in Pharmacy of UniMoRe

2005 - 2009: Referent person for the School of Specialization in Hospital Pharmacy at the Faculty of Pharmacy of UniMoRe

2003 - 2006: Coordinator of the Master's Degree in "Pharmaceutical Biotechnology" at the Faculty of Biosciences and Biotechnology of UniMoRe

Other roles

2020- present: Co-founder and COO of the innovative Start-up "PerFormS"(www.performslab.it) of the Department of Life Sciences of UniMoRe

2020- present: Disciplinary expert of the Quality Assurance of the University of Modena and Reggio E.

Teaching activity

From 2007/8 - present: Teaching responsibility for the teaching of "Pharmaceutical technology, socio-economics and legislation II" for the single-cycle master's degree course in Pharmacy (10 credits)

From 2022/23 - present: Assignment of elective course: "Regulatory processes of products for health" for the single-cycle master's degree course in Pharmacy (4 credits)

From 2017/18- present: Assignment of the "Technology I" module in the course of "Pharmaceutical technology, socio-economics and legislation I" for the single-cycle master's degree course in Pharmacy (3 ECTS)

From 2017/18 to 2019/20 Assignment of a module (1 CFU) elective course for the master's degree course in Medical Biotechnology "Non-viral vectors for gene therapy"

In the a.y. 2015/16: Didactic responsibility for the teaching of "Herbalistic technologies and formulations with elements of legislation" for the Degree course in Herbal Sciences and Techniques (6 CFU)

From 2008/09 to 2013/14: Teaching responsibility for the teaching of "Formulation and delivery of biotechnological drugs", for the Master's degree course in Medical and Pharmaceutical Biotechnology. (9 CFU)

In the a.y. 2010/11 Assignment of the teaching of "Legislation and regulations of the sector" for the three-year degree course in "Herbal techniques" (3 credits)

From 2005/06 to 2009/10 Assignment of the teaching course of "Pharmaceutical technology, socio-economics and legislation III" for the specialization course in Hospital Pharmacy

From 2003/4 to 2008/9: teaching course of "Pharmaceutical Technology" for the three-year degree course in Biotechnology - pharmaceutical curriculum;

From 2003/4 to 2005/6 teaching course of "Drug delivery and direction" (6 credits), and of "Laboratory of drug delivery and targeting", for the three-year degree course in Biotechnology - pharmaceutical curriculum

From 2002/3 to 2008/9: teaching course of " Technological controls of pharmaceutical forms", for the Master's degree course in Pharmaceutical Biotechnology

From 1999/2000 to 2003/4: teaching course "Pharmaceutical Biotechnologies" for the single-cycle Master degree in "Biotechnologies" (pharmaceutical specialization).

From 1996/7 to 1999/2000: Integrative seminars to the Course of Pharmaceutical Technology I for the Degree in Pharmacy and in Chemistry and Pharmaceutical Technologies (CTF); assistance to the Galenic laboratory for the Degree courses in Pharmacy and CTF.

Teaching activity in Doctoral Schools

From 2012/13 to 2019/2020: Participation in the teaching staff of the Doctorate in "Clinical and Experimental medicine (CEM) - Clinical and experimental medicine" of the University of Modena and Reggio Emilia

From 2008/09 to 2011/2012: Participation in the Academic Board of the PhD School in "Science and Technology of Health Products" of UniMoRE, annual frontal teaching activity on the theme: "Innovative technologies in the delivery and direction of drugs. Nanomedicines: main developments and applications" (2 credits = 12 hours)

From 2002/03 to 2007/2008: Participation in the teaching staff of the doctorate in "Drug Sciences, application technology curriculum" of the University of Modena and Reggio Emilia

Theses supervisor

Supervisor of 4 Ph.D. students and 8 post-doc students.

From 2002 to date: under graduate theses supervisor of over 95 theses for Degree in Pharmacy, Pharmaceutical Chemistry and Technology (CTF), Biotechnology, and Master Degree in Medical and Pharmaceutical Biotechnology.

Member of Editorial Boards and reviewer activity

Member of the Editorial Board of the following international journals:

- Pharmaceuticals (MPDI)
- Frontiers in Drug Delivery (frontiers)
- Global Translation Medicine (accScience Publishing)

Reviewer activity for international journals in the field of nanomedicine:

Biomaterials, Acta Biomaterialia, International Journal of Pharmaceutics, European Journal of Pharmaceutics and Biopharmaceutics, Journal of Drug Delivery Science and Technology, Colloids and Surface B: Biointerface, European Journal of Pharmaceutical Sciences, Pharmaceutics, Molecules, Pharmaceuticals, Journal of Nanotheranostics, International Journal of Molecular Sciences, Expert Opinion on Drug Delivery, International Journal of Nanomedicine, Nanomaterials, Journal of Pharmacy and Pharmacology, Pharmaceutical Research, Life Science, Cancer Chemotherapy and Pharmacology, Nanomedicine, Journal of Nanoparticle Research, Journal of Colloid and Polymer Science

Scientific activity

The scientific activity is aimed at pharmaceutical technology with particular regard to *nanomedicines* and unconventional drug delivery systems such as polymeric and lipidic micro and nanoparticles and liposomes. The main publications concern the study, the *in vitro* characterization and the preclinical of *in vivo* translation studies of micro and nanoparticle systems formulated starting from natural or synthetic polymers for the release of anticancer agents, proteins or peptides. An important part of the scientific activity has focused on the development and characterization of solid lipid nanoparticles as non-viral vectors for gene therapy and lipid nanoparticles for inhaled administration of antituberculosis drugs. Inorganic nanoparticles for theranostic purposes, pH-sensitive liposomes for the administration of anticancer peptides and freepolymer nanoparticles for macrophages targeting have also been studied; a new challenge is the development of a new nasal delivery system for natural neuroactive agents. Recently, the focus has shifted to translational research on a nanoparticle system for the treatment of psoriasis.

- Eliana Grazia Leo is a member of scientific societies of recognized prestige such as ADRITELF, SCI and SIMeF. You have been part of research units funded under PRIN. She is author and co-author of 69 articles *in extenso* in international peer-reviewed journals, 3 scientific book chapters of international publishers, 70 communications at national and international congresses in the form of oral or poster communication, 4 patents (one of which with PCT extension) (www.iris.unimore and Mur-Cineca website).

Modena, the 16th June 2023

Signed
Eliana Grazia Leo