

Federica Rinaldi

Occupation: Post doc, University of Rome “La Sapienza”, at Faculty of Pharmacy and Medicine, Department of Drug Chemistry and Technologies.

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Occupational field: Pharmaceutical Technology, Nanotechnology, Nanomedicine.

Education and training:

2011: PhD in “Pharmaceutical Sciences” at Department of Chemistry and Pharmaceutical Technologies of the Faculty of Pharmacy (“Sapienza” University of Rome). PhD thesis on: “Novel targeting strategies: vesicles by “classical” and synthetic surfactants” (Supervisor: Prof. Maria Carafa)

2009: License to practice the profession of Pharmacist.

2008: Degree in Chemistry and Pharmaceutical Technologies at the Faculty of Pharmacy, “Sapienza” University of Rome. Experimental thesis entitled: “Characterization studies of pH-sensitive vesicles by new derivatives surfactants”. (Supervisor: Prof. Eleonora Santucci).

Personal skills and competences:

Dr. Rinaldi research activity is mainly focused on the study of phospholipid and non-phospholipid vesicles as drug delivery systems. In particular involved in preparation and characterization of vesicles for cytoplasmic delivery of therapeutic agents (pH-sensitive niosomes) and for topic (various niosomal formulations), oral (coated liposomes), pulmonary (coated and uncoated niosomes) and brain (liposomes-niosomes) drugs delivery.

Expert in preparation and characterization of O/W Nanoemulsions, nanobubbles and drug delivery systems useful in theragnostic field. Expert in physical chemical characterization by fluorimetric techniques, DLS (dynamic light scattering) instruments, UV techniques of different vesicular system.

Member of: Società Chimica Italiana (SCI), Associazione Docenti e Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche (Adritelf), Controlled Release Society (CRS)Italian Chapter.

Scientific production: author of about 38 national and international research papers, 2 patents, 1 book chapters

Total citations 911, h-index: 17.

Referee for 3 international journals focused on nanotechnology and drug delivery, member of the Editorial Board of journal “Letters Drug Design & Discovery and guest editor for special issue in “Pharmaceutics”.