

Dr Adriana Trapani achieved her Degree in Chemistry and Pharmaceutical Technologies on July 2002 at Bari University (Italy) with *summa cum laude* and mention of the commission.

During the PhD Course in “Tecnologie delle Sostanze Biologicamente Attive”, she spent one year as Marie Curie–Fellow (Galenos Network in Drug Delivery) at Santiago de Compostela University (Spain) under Prof. Maria José Alonso’s Supervision and in April 2007 she achieved her Euro PhD in Drug Delivery (Marie Curie-Galenos Network).

From June 2007 to November 2007 she worked as Post Doc Researcher at Department of Pharmaceutics and Biopharmacy at Philipps-University of Marburg (DE) with Prof. Thomas Kissel as Supervisor.

She also was Visiting Researcher at Institut für Pharmazeutische Technologie of the Technische Universität at Braunschweig (DE) and at Université d’Angers (France) under the Supervision of Prof. Heike Bunjes and Prof. J.P. Benoit, respectively.

From October 2015 she is Associate Professor at Bari University (SSD CHIM09).

Teaching Activity

From 2006 - today: she is in charge of the course of “Pharmaceutical Technology, Socioeconomy and Regulations” at the Master degree in Pharmacy (University of Bari);

Academic years 2013/2014 and 2015/2016 - Professor of “Pharmaceutical Technology” Master degree in Industrial Biotechnology, University of Bari;

Academic year 2015/2016 - Professor of “Biomaterials and Innovative Drug Dosage Forms” Master in Pharmacy;

Academic year 2015/2016 Professor of- “ Medical Devices “ for the School in “Clinical Pharmacy”, Department. of Pharmacy-Drug Sciences (2 ECTS-credits).

She has been and still is Supervisor of several under and post-graduate students.

The main research interests of Adriana Trapani include:

- Polymeric nanoparticle formulation based on chitosan and its derivatives for brain, pulmonary and nasal drug delivery;
- New applications of chitosan and its derivatives as biomaterials;

- Liposomes and solid lipid nanoparticle formulation for brain, pulmonary and nasal drug delivery;
- Natural polysaccharide based micelle or hydrogel formulation;
- Improvement of drug biopharmaceutical properties by cyclodextrins.
- Drug transport across intestinal, pulmonary and nasal mucosa.

Adriana Trapani is author of 60 papers on Scopus indexed journals, one book chapter in Royal Society of Chemistry (RSC) and several communications to scientific congresses.