

PATRIZIA PAOLICELLI

Curriculum Vitae

General Information

Name Patrizia
Family Name Paolicelli
E-mail patrizia.paolicelli@uniroma1.it
Current position **Associate Professor (CHIM 09)**

Academic Appointments

Start	End	Institution	Position
2018	actual	Sapienza University of Rome	Associate Professor (CHIM09)
2015	2018	Sapienza University of Rome	Researcher (RTD-B)
2013	2014	Sapienza University of Rome	Post-doctorate Research Fellow
2009	2013	Sapienza University of Rome	Post-doctorate Research Fellow
2011	2011	University of Southampton	Visiting Research Fellow (6 months) at the Bone & Joint research group, Institute of Developmental Sciences
2008	2009	Universidad de Santiago de Compostela	Post-doctorate Research Fellow

Education

Type	Year	Institution	Notes (Degree, Experience,...)
Academic degree	2003	Sapienza University of Rome	Degree in Pharmaceutical Chemistry and Technologies. Dissertation on "Idrogel biodegradabili ottenuti per fotoreticolazione di destrano e poliaspartammide derivatizzati". Supervisor: prof. Maria Antonietta Casadei. Grade: 110/110 cum laude.
PhD	2008	Sapienza University of Rome	PhD in Pharmaceutical Sciences. Dissertation on "Nanoparticles as drug and vaccine delivery vehicles". Supervisors: prof. Maria Antonietta Casadei (Sapienza University of Rome) and prof. Maria José Alonso (Departamento de Farmacia y Tecnología Farmaceutiche - Universidad de

Santiago de Compostela (Spain)

Licensure 2012 Sapienza University of Rome Qualifying examination for Pharmacists

Teaching experience

Academic Year	Institution	Lecture/Course
2016/2017 2017/2018 2018/2019 2019/2020 2020/2021	Sapienza University of Rome	Pharmaceutical Technology and Legislation (12 ECTS) – Master Degree in Pharmaceutical Biotechnology
2019/2020	Sapienza University of Rome	Technologies and regulations concerning pharmaceutical, cosmetic and health products (6 ECTS) - Degree in Applied Pharmaceutical Sciences
2018/2019	Sapienza University of Rome	Gestione e tracciabilità della documentazione delle preparazioni galeniche (3 ECTS) – School of specialisation in Hospital Pharmacy
2017/2018	Sapienza University of Rome	Supplementary educational activities in Drug Delivery and Targeting (3 ECTS) - Master Degree in Pharmaceutical Chemistry and Technologies
2015/2016	Sapienza University of Rome	Tecnologie di produzione di forme farmaceutiche in relazione alla nutraceutica (1 ECTS)
2011	IOBA – Istituto Universitario de Oftalmobiologia Aplicada	Biomateriales en la terapeutica ocular (3 ECTS)
2010	IOBA – Istituto Universitario de Oftalmobiologia Aplicada	Biomateriales en la terapeutica ocular (3 ECTS)

Society memberships, Awards and Honors

From 2014 to 2019	Member of Società Chimica Italiana (SCI)-Pharmaceutical Technology division, Controlled Release Society (CRS) Italian Chapter, ADRITELF, Ordine dei Farmacisti
2014	Positive evaluation at the National Scientific Qualification for associate professor
2008	Awarded with the Galeno Euro PhD® in Advanced Drug Delivery - Marie Curie Fellow (MEST-CT-2004-404992)

Research Activities

Keywords	Brief Description
Nanocarriers	Design and development of innovative nanosized lipid and/or polymer-based delivery systems for pharmaceutical and biomedical applications.
Hydrogels	Synthesis of novel hydrogels and study of their properties for application in the biomedical field.
Hybrid drug delivery systems	Combination of different biomaterials for the development of smart hybrid systems endowed with enhanced properties to be used in the biomedical field.

Research Projects

University project 2020	Participant in the project "Formulation and chemical characterization of nanoemulsions to enhance the antiproliferative activity of bioactive essential oils" funded by Sapienza University of Rome
University project 2019	P.I. of the project "Design and development of nanoemulsions for feasible and efficient delivery of extracts from natural products" funded by Sapienza University of Rome
University project 2017	Participant in the project "Studio sperimentale e modellistico/computazionale di celle di diffusione per studi di permeazione di formulazioni ad uso topico" funded by Sapienza University of Rome
University project 2016	P.I. of the project "Integrated approaches for the design and development of homogeneous polymeric strips for buccal delivery of drugs" funded by Sapienza University of Rome
University project 2014	Participant in the project "Magnetic-responsive drug delivery systems controlled by low intensity magnetic stimuli" funded by Sapienza University of Rome
ERA-NET project (call 2011)	Participant in the project MATERA + 1856 – BBM NanoBioMaterials funded by ERA-NET - FP7
National project (2008)	Participant as post-doctorate research fellow in the project "Diseño de nanopartículas poliméricas como vectores sintéticos en terapia génica y aplicación a la liberación intracelular de RNA interferente" funded by the Spanish Ministerio de educación y ciencia (NAN2004-09230-C04-00)
Grand Challenge in Global Health (2006-2007)	Participant as PhD student in the project "Surface modified nanostructures as delivery vehicles for transmucosal vaccination" funded by the Bill & Melinda Gates Foundation

Prof. Patrizia Paolicelli graduated with honours in Pharmaceutical Chemistry and Technologies on November 2003 at Sapienza University of Rome with an experimental dissertation on “Idrogel biodegradabili ottenuti per fotoreticolazione di destrano e poliaspartammide derivatizzati”, carried out under the supervision of prof. Maria Antonietta Casadei. After an experience in a pharmaceutical multinational company, in 2004 prof. Patrizia Paolicelli gained a scholarship and came back to Sapienza University of Rome as a PhD student in pharmaceutical sciences. Prof. Patrizia Paolicelli carried out her PhD both in Rome and Spain (Departamento de Farmacia y Tecnologia Farmaceutiche - Universidad de Santiago de Compostela – Campus Vida) gaining a second Marie Curie scholarship for PhD students. In 2008 prof. Paolicelli earned a PhD degree with a dissertation on “Nanoparticles as drug and vaccine delivery vehicles”, carried out under the supervision of prof. Maria Antonietta Casadei (Sapienza University of Rome) and prof. Maria José Alonso (Departamento de Farmacia y Tecnologia Farmaceutiche - Universidad de Santiago de Compostela – Campus Vida – Spain). After the discussion of her PhD thesis, prof. Paolicelli was awarded with a Galeno Euro PhD® in Advanced Drug Delivery.

From 2008 to 2014, prof. Patrizia Paolicelli worked as a research fellow in different universities, including Department of Drug Chemistry and Technologies of Sapienza University of Rome, Departamento de Farmacia y Tecnologia Farmaceutiche - Universidad de Santiago de Compostela (Spain) and Bone & Joint research group - Institute of Developmental Sciences - Southampton University (UK).

In 2014 prof. Patrizia Paolicelli received the National Scientific Qualification (ASN) to function as Associate Professor in the 03/D2 academic recruitment field.

From December 2015, prof. Patrizia Paolicelli is a temporary researcher (RTD-B contract pursuant to art. 24, paragraph 3, section b, of Law No. 240/2010) within the CHIM09 scientific-educational field at the Department of Drug Chemistry and Technologies of Sapienza University of Rome.

On December 2018, Patrizia Paolicelli became Associate Professor within the CHIM09 scientific-educational field at the Department of Drug Chemistry and Technologies of Sapienza University of Rome.

Prof. Patrizia Paolicelli holds the course of Pharmaceutical Technology and Legislation (12 ECTS) for the Master’s Degree in Pharmaceutical Biotechnologies. Prof. Patrizia Paolicelli holds supplementary educational activities (3 ECTS) in the Master’s Degree in Pharmaceutical Chemistry and Technologies. Prof. Patrizia Paolicelli also took part to two Master’s programs held at Sapienza University of Rome and IOBA (Instituto Universitario de Oftalmobiología Aplicada, Spain) teaching “Tecnologie di produzione di forme farmaceutiche in relazione alla nutraceutica” (1 ECTS) and “Biomateriales en la terapeutica ocular” (3 ECTS).

The present research work carried out by prof. Patrizia Paolicelli is mainly focused on two different research lines: one aimed to design and develop novel polymeric, lipid or hybrid colloidal vehicles for drug delivery; the other research line is based on the synthesis and characterization of hydrogels for applications in the biomedical and pharmaceutical field.

The research activity of prof. Patrizia Paolicelli brought to 57 papers published in international journals of medium to high impact, 1 book chapter, 3 international patents and more than 50 communications in national and international congresses and conferences.

From 2013 prof. Patrizia Paolicelli is in the Professional Pharmacist Association of Rome and is member of some scientific societies, including ADRITELF, Controlled Release Society and Società Chimica Italiana.