

PERSONAL INFORMATION



Silvia Stefania Rossi

📍 University of Pavia
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Sex: F | *Date of birth* 26/12/1964 | *Nationality* Italian

CURRENT POSITION

Full professor In Pharmaceutical Technology

WORK EXPERIENCE

From 2021 to present

Full professor in Pharmaceutical Technology (SSD CHIM09)
University of Pavia

From 2006 to 2021

Associate professor in Pharmaceutical Technology (SSD CHIM09)
University of Pavia

From 1998 to 2006

Assistant professor in Pharmaceutical Technology (SSD CHIM09)
University of Pavia

Teaching:

- Graduate courses:

Pharmaceutical Technology (9 ETCS; 2021- present) - Master's degree course in Pharmaceutical Chemistry and Technology; Innovative Drug Delivery Systems (3 ETCS; 2010- present) – Master's degree course in Pharmacy, Pharmaceutical Chemistry and Technology, Medical and Pharmaceutical Biotechnologies; Pharmaceutical Technology and Law II (12 ETCS; 2015-2021) - Master's degree course in Pharmacy; Complements of Pharmaceutical Technology (9 ETCS; 2012- 2015) - Master's degree course in Pharmacy; Elements of Pharmaceutical Technology and Laboratory (4 ETCS; 2002-2011) - Master's degree course in Biotechnologies; Control of drug dosage forms (4 ETCS; 2001-2009) - Bachelor's degree in Quality Control in Pharmaceutical Industry; Biopharmaceutics (2 ETCS; 2001-2009) - Bachelor's degree in Scientific Information on Drugs.

- Post-graduate courses:

Research and nanomedicine, Technological controls of semisolid pharmaceutical products (2017-present); - PhD Course in Chemical and Pharmaceutical Sciences and Related Industrial Innovation; Technological controls of semisolid pharmaceutical products – PhD course in Pharmaceutical Chemistry and Technology (2011-2013); PhD course in Chemical and Pharmaceutical Sciences (2013-2017); Seminars on Pharmaceutical Technology/Biopharmaceutics - PhD course in Biopharmaceutics and Pharmacokinetics, University of Parma (2005-2010)

Teacher in II level post-graduate Master's courses in: i) Preformulation, Pharmaceutical Development and Control of Medicinal Products; ii) Pharmaceutical Technology and Regulatory Affairs; iii) cGMP Compliance & Validation in Pharmaceutical Companies.

Teacher in I level European Master's course in Nanomedicine for Drug Delivery (NANOMED)

- Tutor of many students (Pharm. D., Master and PhD)

Research:

- Nanomedicine: design and development of nanosystems based on natural polymers, especially polysaccharides, nanocarrier – cell interactions; Tissue engineering: development of innovative platforms for tissue repair (skin, nervous tissue, tendons, buccal and vaginal mucosae); Mucoadhesion: development of mucoadhesive drug delivery systems; Continuous manufacturing: development of continuous process (electrospinning, spray drying) for nano and microparticulate systems

Membership and managerial activities:

- Deputy-coordinator of PhD course in Chemical and Pharmaceutical Sciences and Related Industrial Innovation
- Coordinator of the II level postgraduate Italian Master's course in Preformulation, Pharmaceutical Development and Control of Medicinal Products
- Member of the teaching board of II level postgraduate Italian Master's courses in:
 - i) Preformulation, Pharmaceutical Development and Control of Medicinal;
 - ii) Pharmaceutical Technology and Regulatory Affairs;
 - iii) cGMP Compliance & Validation in Pharmaceutical Companies

Scientific responsible of research contracts (9 in the last five years) with Pharmaceutical Companies

During her career, Prof Silvia Stefania Rossi has collaborated with the following research groups: Dott. Perotti C. e Del Fante C., Fondazione IRCCS San Matteo - Pavia, Prof. P. Giunchedi, University of Sassari, Prof. P. Mustarelli, University of Milano Bicocca, Dott. A. Athanassiou, Istituto Italiano di Tecnologia IIT (Genoa), Prof. Anna Marchese, IRCCS-San Martino-IST, DISC, University of Genoa; Prof. T. Güneri e Prof. O. Ozer, Ege University, Izmir (Turkey), Prof. C. Viseras and Carola Aguzzi, University of Granada (Spain), Prof. E. Mele, Loughborough University, UK; Prof. B. Sarmiento, University of Porto Porto (Portugal), Prof. N. Zerrouk, University of René Descartes, Paris (France), Prof. C. Remuñán-López, University of Santiago de Compostela (Spain), Prof. V. R. L. Costantino, University of São Paulo—UP (Brasil), Prof. I. Eros e Prof. E Csanyi, University of Szged (Hungary), Prof. L Black, Tufts University, Medford Boston, USA.

Moreover, she has collaborated with the following pharmaceutical companies: Aboca, Pistrino di Citerna (Perugia); Alfasigma, Pomezia (Rome); Alfa Wasserman, Bologna; Angelini A.C.R.A.F, Rome; Chiesi Farmaceutici Parma; Cosmo Technologies, Dublin, Ireland – Lainate (Milan); Dipharma Francis Baranzate (Milan); Esapharma (Milan); Farnila Thea Farmaceutici Settimo Milanese (Milan); Fidia Farmaceutici Abano Terme (Padua); GSKBiotech (Milan); Helsinn Lugano (CH);); IBSA Farmaceutici srl Lodi; Rottapharm/Mylan/Viatris, Monza (Milan) - Confienza (PV); MonteResearch Pero (Milan); Shering Plough, Comazzo (Lodi); SIIT – Innovative Healthcare Products, Trezzano sul Naviglio (Milan); Soffieria Bertolini, Candiolo (Turin).

EDUCATION AND TRAINING

From 1995 to 1998

Post-doc fellow in Pharmaceutical Chemistry and Technology
University of Pavia

- From 1991 to 1995 PhD degree in Pharmaceutical Chemistry and Technology
University of Pavia
- From 1988 to 1991 Specialization Degree in Industrial Pharmacy
University of Pavia
- From 1983 to 1988 Graduation in Pharmaceutical Chemistry and Technology
University of Pavia

ADDITIONAL INFORMATIONS

Publications and main indexes

total number of publications in peer-review journals: 181
total number of citations: 5981
H index: 46 (Scopus); 50 (Google scholar)
Patents: 12
Book chapters: 19
More than 300 communications/posters in scientific meetings

Editorial activity

- Member of the Editorial Board of the international scientific journals *Pharmaceutics* (ISSN 1999-4923); and *Progress on Chemistry and Application of Chitin and its Derivatives* (ISSN:1896-5644)
- Guest Editor of the following special issues: i) "Tissue-Protective Agents: New Drugs and Technologies"- *Pharmaceutics* (ISSN 1424-8247); ii) "Chitosan biomedical applications: opportunities and challenges" - *Pharmaceutics*; iii) "Marine Biopolymers and Drug Delivery"- *Marine Drugs* (ISSN 1660-3397); "Gels and in Situ Gelling Formulations for Drug Delivery" - *Pharmaceutics* " (ISSN 1999-4923) "Polymer Technology for Nanomedicine and Wound Healing" - *Polymers* (ISSN 2073-4360).

Current grants

- European Commission HORIZON-CL4-2022-RESILIENCE-01-13 - Smart and multifunctional biomaterials for health innovations (RIA), Project ID:101092243 "Smart and multiFunctional 3D printable pro-Regenerative biological matrix modulating mechanotransduction as advanced therapy to treat skin chronic wounds" "FORCEREPAIR" Pavia Unit member (2023-2026)
- PNRR- One health basic and translational research actions (INF-ACT) - F13C22001220007 - PE0000007 – Spoke 5 – Pavia Unit member (2022-2025)
- European Commission H2020-NMBP-HUBS-2018, Project ID: 814607 "Safety testing in the life cycle of nanotechnology-enabled medical technologies for health" Pavia Unit member (2019-2023)

Silvia Stefania Rossi

Pavia, 26 January 2023