

PERSONAL INFORMATION



Silvia Stefania Rossi

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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

Current teaching:

- Graduate courses:

Advanced Drug Delivery Systems (9 ETCS) - Master's degree course in Pharmaceutical Chemistry and Technology; Innovative strategies in Drug Delivery (3 ETCS) – Master's degree course in Pharmacy, Pharmaceutical Chemistry and Technology, Medical and Pharmaceutical Biotechnologies

- Post-graduate courses:

Technological controls of Pharmaceutical Products - PhD Course in Chemical and Pharmaceutical Sciences and Related Industrial Innovation

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.

- Supervisor of Pharm. D., Master and PhD students

Current 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, buccal and vaginal mucosae); nanofibers, nanogels, sponge like systems, functionally graded scaffolds; hydrogels. Mucoadhesion: Development of mucoadhesive in situ gelling drug delivery systems.

Membership and managerial activities:

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

Scientific responsible for research contracts (10 in the last 10 years) with Pharmaceutical Companies

Patents

12 patents from the research work and the collaboration with Pharmaceutical Companies

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:** 196
total number of citations: 6943
H index: 50 (Scopus)
Patents: 12
Book chapters: 19
More than 300 communications/posters in scientific meetings

- 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)



Pavia, 8 February 2024