

PERSONAL INFORMATION

Daniela Rossi

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 <https://labmedchem.unipv.it/index.php/people/>

Sex female | Date of birth 27/08/1974 | Nationality Italian

WORK EXPERIENCE

January 2022 - today

Associate Professor- Medicinal Chemistry (SSD CHIM/08)

University of Pavia – Department of Drug Sciences

- Research and teaching activities
- Business or sector** Medicinal Chemistry

November 2006 – December 2021

Assistant Professor- Medicinal Chemistry (SSD CHIM/08)

University of Pavia – Department of Drug Sciences

- Research and teaching activities
- Business or sector** Medicinal Chemistry

July 2003 – October 2006

Cleaning validation and release analyst

Merck Sharp & Dohme Italia S.p.A., Pavia

- Cleaning validation protocols of manufacturing equipment
- Business or sector** Pharma Industry-Quality Operation

February 2003 – June 2003

Research Chemist

NiKem Research S.r.l, Baranzate di Bollate, Milan.

- Synthesis and purification of new molecules potentially active on the central nervous system
- Business or sector** Pharma Industry-R&D

EDUCATION AND TRAINING

1999 – 2002

PhD in Medicinal Chemistry and Pharmaceutical Technology

University of Pavia – Department of Drug Sciences

- Organic synthesis (traditional chemical techniques, SPOS, PASPS and MAOS), purification (crystallization, flash chromatography, solid-phase extraction) and analysis (UV, IR, NMR, HPLC, LC/MS, GC, CD) of biologically active small molecules. Configurational study and chiroptical properties evaluation of homochiral compounds.

January 2002 – April 2002

Academic Visitor

Central Chemistry Laboratory", Chemistry Department, Oxford University

- Molecular modelling studies .

1993 - 1999

Master's degree in Medicinal Chemistry and Pharmaceutical technology

University of Pavia – Department of Drug Sciences

- Preparation and structural characterization of biologically active compounds.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through my training and working experience in both Pharma Industries and Accademia

Organisational / managerial skills

- Supervisor of more than 30 (graduated and post-graduated master students; mentor of three PhD students).
- Member of the Scientific Committee of Drug Discovery and Development post graduated (level II) Master Course
- Member of the Teaching Committee of the PhD course in Medicinal Chemistry and Pharmaceutical Technology and Industrial Innovation.

Job-related skills

- Long-lasting experience in drug design and structure-activity relationship studies of new biologically-active compounds potentially useful for neurodegenerative diseases and cancer treatment and for fighting antibiotic resistance
- Long-lasting experience in the identification and isolation of natural compounds and secondary metabolites from plant extracts The approach is aimed at identifying and optimizing new molecules capable of interacting with several biological targets, focusing on therapeutic applications.
- Experience in the preparation and chiro-optical characterization of chiral compounds.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Driving licence B

ADDITIONAL INFORMATION

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ANNEXES

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