

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

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Nationality Italian  
Date of Birth 27/08/1974  
Gender female

WORK EXPERIENCE

- Dates (from - to) January 2022 - today
- Name and address of the employer University of Pavia – Department of Drug Sciences
  - Type of business or sector
  - Occupation or position held **Associate Professor- Medicinal Chemistry (SSD CHIM/08)**
- Main activities and responsibilities •Research and teaching activities
  
- Dates (from - to) November 2006 – December 2021
- Name and address of the employer Università degli Studi di Pavia – Department of Drug Sciences
  - Type of business or sector
  - Occupation or position held **Assistant Professor- Medicinal Chemistry (SSD CHIM/08)**
- Main activities and responsibilities •Research and teaching activities
  
- Dates (from - to) July 2003 – October 2006
- Name and address of the employer Merck Sharp & Dohme Italia S.p.A., Pavia
  - Type of business or sector
  - Occupation or position held **Cleaning validation and release analyst**
- Main activities and responsibilities Set up and validation of cleaning protocols of manufacturing equipment
  
- Dates (from - to) February 2003 – June 2003
- Name and address of the employer NiKem Research S.r.l, Baranzate di Bollate, Milan.
  - Type of business or sector
  - Occupation or position held **Research Chemist**
- Main activities and responsibilities Synthesis and purification of new molecules potentially active on the central nervous system.

## EDUCATION AND TRAINING

- Dates (from - to) 1999 – 2002
- Name and type of organisation providing education and training Università degli Studi di Pavia
- Principal subjects/occupational skills covered Design, Synthesis and biological evaluation of new analgesics  
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.
- Title of qualification awarded **PhD in Medicinal Chemistry and Pharmaceutical Technology**
  
- Dates (from - to) January 2002 – April 2002
- Name and type of organisation providing education and training "Central Chemistry Laboratory", Chemistry Department, Oxford University
- Principal subjects/occupational skills covered **Academic Visitor**  
Molecular modelling studies
- Title of qualification awarded
  
- Dates (from - to) 1993 - 1999
- Name and type of organisation providing education and training Università degli Studi di Pavia
- Principal subjects/occupational skills covered Synthesis and antinociceptive activity of pyrrolidinyl naphthalenes  
Preparation and structural characterization of biologically active compounds
- Title of qualification awarded **Master's degree in Medicinal Chemistry and Pharmaceutical technology**

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

ITALIAN

ENGLISH

SCIENTIFIC SKILLS AND COMPETENCES

- Research interests: medicinal chemistry, compound synthesis, NADD (Natural Aided Drug Discovery), secondary metabolite structural elucidation, chirality.  
Researches are performed in the Medicinal Chemistry field mainly focusing on drug design and structure-activity relationship studies of new biologically-active compounds potentially useful for i) neurodegenerative diseases and cancer treatment and ii) fighting antibiotic resistance.
- Author of 80 publication on peer reviewed Scientific Journals.
- Lecturer of 16 academic courses or modules since 2007 (i.e Chiral compounds in Medicinal Chemistry, Pharmaceutical Analysis 1, Medicinal Chemistry 2, Medicinal Chemistry 1, Rational drug design)
- Organization and Communication at national and international congresses (more than 40 communications).
- Supervisor of more than 30 (graduated and post-graduated master students; mentor of three PhD student).
- Lecturers in different advanced training courses (PhD, Masters of II level) since 2007.

RELEVANT ROLES AND COMPETENCES

- Key person of the Medicinal Chemistry Laboratory (MedChemLab, Department of Drug Sciences, University of Pavia) dedicated to identification of new biologically active compounds with particular focus on neurodegenerative and cancer treatment, as well as on nature-inspired drug discovery.
- Participant to research project working packages.
- Participation to industrial research contracts
- 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.

PUBLICATION INDEXES (SCOPUS,  
AS OF JANUARY 17, 2023)

- NUMBER OF PUBLICATIONS: 80
- TOTAL NUMBER OF CITATIONS: 1276
- H-INDEX: 21