

PERSONAL INFORMATION

Paola Conti
Department of Pharmaceutical Sciences
University of Milan
e-mail: paola.conti@unimi.it

POSITION Associate Professor of Medicinal Chemistry

WORK EXPERIENCE

- 2019-2005 **Associate professor of Medicinal Chemistry**
Department of Pharmaceutical Sciences
University of Milan
[Education/Research](#)
- 2005-2000 **Assistant professor of Medicinal Chemistry**
University of Milan, Faculty of Pharmacy
[Education/Research](#)
- 2000-1999 **Post-Doc (NATO-CNR Fellowship)**
Institute for Cognitive and Computational Sciences, Georgetown University Medical Center
(Washington-DC, USA).
Drug Discovery Group directed by Prof. A. P. Kozikowski
[Research](#)
- 1998-1995 **PhD student in Medicinal Chemistry**
University of Milan
tutor: Prof. Carlo De Micheli
[Research](#)
- 1995 **Consultant**
Consultant for Lepetit. Preparation of new matrices for the electrophoretic separation of
biopolymers. Istituto di Chimica degli Ormoni, CNR, Milan.
[Research](#)

EDUCATION AND TRAINING

- 1999 **PhD in Medicinal Chemistry**
University of Milan
- 1996 **State certification for the Profession of Pharmacist**
University of Milan
- 1995 **Degree in Pharmaceutical Chemistry and Technology (score 110/110 cum laude)**
University of Milan
- 1989 **High school diploma (score 60/60)**
Liceo Scientifico "Ettore Majorana", Rho (MI)

PERSONAL SKILLS

Mother tongue Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B1	B1	B1

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

Organisational / managerial skills

-Group leader of a Medicinal chemistry research group at the Department of Pharmaceutical Sciences

- Member of the Board of Teachers of the PhD course in Chemistry, University of Milan (2015-2019)

- Member of the Board of Teachers of the PhD course in Pharmaceutical Sciences, University of Milan (2012-2014)

- Member of the junta of the PhD course in Chemistry (2017-2019)

- Member of the joint committee ("commissione paritetica") of the Degree Course in Pharmaceutical biotechnology (2013-2017)

- Member of the organizing committee of the "4th International Workshop on Pericyclic Reactions and Synthesis of Hetero- and Carbocyclic systems" (Milan, 28-30 june 2017)

- Organizer of the practical course on "Chemistry of the heterocycles" within the *V Edition of the Laboratory of synthetic methodologies in Medicinal Chemistry*. (Siena, 12-17 Febbraio 2006).

Job-related skills *Teaching*

- From 2000/01 to 2003/04 DRUG ANALYSIS, Master degree in Pharmaceutical Chemistry and Technology, University of Milan
- 2003/04 MEDICINAL CHEMISTRY, Master degree in Chemistry, University of Milan
- From 2004/05 to 2008/09 SYNTHETIC AND EXTRACTIVE PREPARATION OF DRUGS + LABORATORY, Master degree in Pharmaceutical Chemistry and Technology, University of Milan
- From 2008/09 to 2012/13 BIOTECHNOLOGICAL DRUGS, Master degree in Drug Biotechnology, University of Milan
- 2009/10 BIOTECHNOLOGICAL DRUGS 2, Master degree in Drug Biotechnology, University of Milan
- 2010/11 QUALITATIVE ANALYSIS OF INORGANIC SALTS OF PHARMACEUTICAL INTEREST, Master degree in Pharmacy, University of Milan
- From 2011/12 to 2012/13 BIOTECHNOLOGICAL DRUGS (Advanced course), Master degree in Drug Biotechnology, University of Milan
- From 2013/14 to 2016/17 DEVELOPMENT OF DRUGS WITH BIOTECHNOLOGICAL METHODS, Master degree in Drug Biotechnology, University of Milan
- From 2015/16 to 2016/17 INNOVATIVE BIOTECHNOLOGICAL DRUGS, Master degree in Drug Biotechnology, University of Milan
- 2015/16 MEDICINAL AND TOXICOLOGICAL CHEMISTRY, Master degree in Pharmaceutical Biotechnologies
- From 2012/13 to 2018/19 SYNTHETIC AND EXTRACTIVE PREPARATION OF DRUGS + LABORATORY, Master degree in Pharmaceutical Chemistry and Technology, University of Milan
- From 2017/18 to 2018/19 MEDICINAL AND TOXICOLOGICAL CHEMISTRY II, Master degree in Pharmacy, University of Milan

Editorial activity

- Regional Editor of Mini-Reviews in Medicinal Chemistry (Bentham Science Publishers).
- Translator (english-italian) of several chapters of the text book "An introduction to Medicinal Chemistry" G. L. Patrick
- Author of two chapters of the text book "Medicinal Chemistry" G.L. Patrick, Integrated edition by G. Costantino.

Other

- Reviewer of scientific papers for several international journals such as, among others, *J. Med. Chem*, *ACS chemical neuroscience*, *Eur. J. Med. Chem*, *ChemMedChem*.
- Reviewer for national research project.
- Member of the PhD Assessment Committee, University of Copenhagen, Faculty of Pharmaceutical Sciences (2009, 2011, 2012)
- Member of the PhD Assessment Committee, University of Verona, Doctorate School in Health and Life Sciences (2014)
- President of the PhD Assessment Committee, University of Salerno, Doctorate School in Pharmaceutical Sciences (2015)
- Member of the PhD Assessment Committee, University of Pavia, Doctorate School in Medicinal and Toxicological Chemistry (2016)
- Member of the PhD Assessment Committee, University of Copenhagen, Faculty of Pharmaceutical Sciences, Faculty of Health and Medical Sciences (2017)

Digital skills

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

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

Replace with name of ICT-certificates

Driving licence B

ADDITIONAL INFORMATION

Publications

Author of 91 publications on international scientific journals, H index: 22
 Scopus Author ID: 7202502996
[link IRIS-AIR](#)
[link ORCID](#)

Presentations

Author of about 60 conference communications (posters or short oral presentations)

Projects

On-going financed projects:

- Cariplo Foundation, Call: “Integrated research on industrial biotechnologies and bioeconomy 2016” sulle biotecnologie industriali e sulla bioeconomia 2016. Title of the financed project: “BIOFLOW: an innovative platform for the in-flow biocatalytic preparation of high value chemicals” (24 months, Principal Investigator)

- PRIN 2015: Towards multi-stage drugs to fight poverty related and neglected parasitic diseases: synthetic and natural compounds directed against Leishmania, Plasmodium and Schistosoma life stages and assessment of their mechanisms of action. (36 months, Participant)

Main research lines:

Design of enzymatic inhibitors as chemotherapeutic agents for the treatment of cancer diseases and parasitic infections.

Neuroprotection strategies based on the modulation of the glutamatergic system. Design and synthesis of conformationally constrained glutamic acid analogues as potentially selective ligands for the excitatory amino acid receptor subtypes, as inhibitors of the transporters, or as potential modulators of enzymes involved in glutamate metabolism

Development of innovative chemo-enzymatic processes for the preparation of pharmaceutically and nutraceutically interesting compounds.

Invited lectures

“Design and synthesis of novel acidic amino acids acting at glutamate receptors and transporters”, COST Meeting: Enzymatic approaches to the synthesis and manipulation of non-natural amino acids, Barcelona, Spain, 2006

“Design and synthesis of new neuroprotective agents targeting the glutamatergic system” National meeting “Nuove prospettive in chimica farmaceutica”, Catanzaro, 2008

“Design and synthesis of new neuroprotective agents targeting the glutamatergic system” University of Copenhagen, 2009

“CTP synthetase inhibitors as new potential agents for the treatment of African Trypanosomiasis: synthesis and in vitro/in vivo evaluation of trypanocidal activity of 3-Br-Acivicin” 1st iDDi Workshop in Neglected and Orphan Diseases, Siena, 2010
“Synthesis and Biological Activity of 4,5-Dihydro-1H-pyrazol-5-yl Glycines as Glutamate or Glutamine Analogs” University of Copenhagen, 2011
“Development of covalent enzymatic inhibitors for the treatment of protozoan infections” One-day symposium on “Antitumor drugs, orphan drugs and rare diseases” University of Salerno, 2013

Seminars “Glutamate receptors as targets for the treatment of SNC disorders: strategies for the design of selective ligands” seminar for the PhD course in Medicinal Chemistry, University of Salerno, December 2008.
“Novel strategies for drug targeting” seminar for the PhD course in Chemistry and Industrial Chemistry University of Milan, March 2014.
“Biocatalytic approaches to generate new analogues of natural products” seminar for the PhD course in Chemistry and Industrial Chemistry University of Milan, June 2017.

Honours and awards Farindustria prize for Medicinal Chemistry research (2005)
Noordwijkerhout-Camerino Award (2001)

Memberships Member of the Italian Chemical Society (SCI) Division of Medicinal Chemistry

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section “Amministrazione trasparente”, “Consulenti e collaboratori”.

Date: 18/01/2019

Signature

