

PERSONAL INFORMATION

Marco De Amici



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CURRENT POSITION

Full professor

WORK EXPERIENCE

- 2000- [Full professor of Medicinal Chemistry](#)
Department of Pharmaceutical Sciences - Faculty of Pharmacy - University of Milan
- 1992-1999 [Associate professor of Medicinal Chemistry](#)
Department of Pharmaceutical Sciences - Faculty of Pharmacy - University of Trieste
Institute of Medicinal and Toxicological Chemistry - Faculty of Pharmacy - University of Milan
- 1984-1991 [Assistant professor of Medicinal Chemistry](#)
Institute of Medicinal and Toxicological Chemistry - Faculty of Pharmacy - University of Milan
- 1988-1989 [Visiting scientist \(NATO-CNR fellowship\)](#)
Royal Danish School of Pharmacy - Copenhagen
- 2014- [Academic Quality Assurance Committee](#)
University of Milan
- 2015-2017 [Director of the PhD course in "Pharmaceutical Sciences"](#)
University of Milan

EDUCATION AND TRAINING

- 1978 [Master Degree in Chemistry](#)
Institute of Organic Chemistry - Faculty of Sciences - University of Pavia
- 1973 [High School Diploma](#)
Liceo Scientifico "Torquato Taramelli" - Pavia

PERSONAL SKILLS

Mother tongue Italian

SELF-ASSESSMENT

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	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 a) teaching activities, since 1991/1992, in academic courses of two Faculties of Pharmacy (graduation in Pharmacy and in Industrial Pharmacy), b) workshops for PhD students in “Pharmaceutical Sciences”, c) presentation of scientific results in national and international meetings/symposia.

- Organisational/managerial skills**
- Coordination of the scientific activities of a medicinal chemistry group at the Department of Pharmaceutical Sciences - University of Milan
 - Scientific responsibility of local research units in national projects and of research contracts
 - Scientific cooperation with qualified national and international research groups
 - Tutoring and mentoring activity for undergraduate students, PhD students and Post-Docs
 - Coordination of the PhD course in “Pharmaceutical Sciences”

Competenze professionali The scientific activity focuses on the design/synthesis and the study of the structure/activity relationships of sets of new compounds active on various biological targets. At present, the research topics more in-depth investigated are:

- The mechanism of activation of muscarinic acetylcholine receptors through the design of novel ligands simultaneously acting at the orthosteric and allosteric recognition sites (bitopic derivatives) of M₁ and M₂ receptor subtypes.
- The activation modes of nicotinic acetylcholine receptors through the design and synthesis of new subtype-selective ligands endowed with agonist, partial agonist or silent agonist pharmacological profiles.
- The rational design, synthesis and biological investigation of new bifunctional ligands activating specific heteromeric nicotinic/dopaminergic receptor complexes.

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

Driving license B

ADDITIONAL INFORMATION

Publications Relevant papers (co-author of 122 papers in collaboration - source: SCOPUS)

- Allosteric ligands for G protein-coupled receptors: a novel strategy with attractive

- therapeutic opportunities. *Med. Res. Rev.* **2010**, *30*, 463-549. M. De Amici, C. Dallanoce, U. Holzgrabe, C. Tränkle, K. Mohr.
- Engineering of α -conotoxin MII-derived peptides with increased selectivity for Native $\alpha 6\beta 2^*$ nicotinic acetylcholine receptors. *FASEB J.* **2011**, *25*, 3775-3789. L. Pucci, G. Grazioso, C. Dallanoce, L. Rizzi, C. De Micheli, F. Clementi, S. Bertrand, D. Bertrand, R. Longhi, M. De Amici, C. Gotti.
 - The allosteric vestibule of a seven transmembrane helical receptor controls G-protein coupling. *Nat. Commun.* **2012**, *3*:1044. A. Bock, N. Merten, R. Schrage, C. Dallanoce, Julia Bätz, J. Klöckner, J. Schmitz, C. Matera, K. Simon, A. Kebig, L. Peters, A. Müller, J. Schrobang-Ley, C. Tränkle, C. Hoffmann, M. De Amici, U. Holzgrabe, E. Kostenis, K. Mohr.
 - Dynamic ligand binding dictates partial agonism at a G protein-coupled receptor. *Nat. Chem. Biol.* **2014**, *10*, 18-20. A. Bock, B. Chirinda, F. Krebs, R. Messerer, J. Bätz, M. Muth, C. Dallanoce, D. Klingenthal, C. Tränkle, C. Hoffmann, M. De Amici, U. Holzgrabe, E. Kostenis, K. Mohr.
 - Involvement of $\alpha 7$ nAChR subtype in rat oxaliplatin-induced neuropathy: effects of selective activation. *Neuropharmacology* **2014**, *79*, 37-48. L. Di Cesare Mannelli, A. Pacini, C. Matera, M. Zanardelli, T. Mello, M. De Amici, C. Dallanoce, C. Ghelardini.

Scopus - Author ID: 57191012946 <http://orcid.org/0000-0002-0236-0662>

The full list of papers is available on the AIR database of the University.

Memberships

Italian Chemical Society - Division of Medicinal Chemistry

Personal data

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

06/02/2019

Signature