

PERSONAL INFORMATION



Cristiano Bolchi

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CURRENT POSITION Associate professor

WORK EXPERIENCE

- 2019- Associate professor - Medicinal Chemistry (Chim-08)
- 2017- National Scientific Qualification for Associate professor (Chim-08)
- 2016- Contract Professor  
 Faculty of Pharmacy - Università Nostra Signora del Buon Consiglio - Tirana (UNIKZM)
- 2006- Assistant Professor - Medicinal Chemistry (Chim-08)  
 Department of Pharmaceutical Sciences - Faculty of Drug Sciences - University of Milan
- 2004- Postdoctoral fellow  
 Department of Pharmaceutical Sciences - Faculty of Drug Sciences - University of Milan
- 2006 - oggi Professore Aggregato  
 Department of Pharmaceutical Sciences - Faculty of Drug Sciences - University of Milan

EDUCATION AND TRAINING

- 2000- Master degree in Chemistry and Pharmaceutical Technologies  
 Università degli studi di Milano
- 2003- Ph.D. in Medicinal Chemistry  
 Università degli studi di Milano  
 PhD thesis: "Design and synthesis of non-thiol inhibitor of Farnesyltransferase"

PERSONAL SKILLS

Mother tongue(s) Italian

SELF-ASSESSMENT

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	C1
French	B1	B1	A2	A2	A2

**Communication skills** Good communication skills acquired during professional and educational activities. In particular, these skills have been acquired thanks to a continuous seminar activity at congresses and to an intense didactic activity carried out continuously from the academic year 2005/2006 in the degree courses in Pharmacy and CTF.

**Organisational / managerial skills** Coordination of the research activities of the pharmaceutical chemistry group of the Department of Pharmaceutical Sciences of the University of Milan (DDPD\_Lab). Supervision and tutoring of the scientific work of undergraduates (CTF and Pharmacy) and PhD students. Scientific responsibility for research and service projects commissioned by qualified private institutions. Participation in research projects funded by qualified public institutions. Management of scientific collaborations with Italian and foreign research groups.

**Job-related skills** The research activity is addressed to the following topics:

- design, synthesis and structure-activity relationships of ligands of neuronal nicotinic receptors as potential agents for the treatment of cognitive deficits,
- design, synthesis and structure-activity relationships of antagonists of  $\alpha$ 1-adrenergic receptor subtypes,
- design, synthesis and structure-activity relationships of farnesyltransferase inhibitors as potential antiproliferative agents,
- development of methods of synthesis or resolution for obtaining molecules of pharmaceutical interest or their precursors in a unichiral form.

#### Digital skills

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

**Driving licence** A, B

#### ADDITIONAL INFORMATION

**Publications** Author of over 50 scientific publications indexed in international journals and inventor of patents. ORCID ID: <http://orcid.org/0000-0002-6726-9501>

##### Most relevante papers:

Pallavicini, M.; Budriesi, R.; Fumagalli, L.; Ioan, P.; Chiarini, A.; Bolchi, C.; Ugenti, P.; Colleoni, S.; Gobbi, M.; Valoti, E. WB4101-Related Compounds: New, Subtype-Selective  $\alpha$ 1- Adrenoreceptor Antagonists (or Inverse Agonists?). *Journal of Medicinal Chemistry* 2006, 49, 7140-7149.

Pallavicini, M.; Valoti, E.; Bolchi, C.; Fumagalli, L.; Piccolo, O. Enantiomeric resolution of a carnitinamide salt by preferential crystallization. *Eur. Pat. Appl.* 2007.

Bolchi, C., Gotti, C., Binda, M., Fumagalli, L., Pucci, L., Pistillo, F., Vistoli, G., Valoti, E., Pallavicini, M. Unichiral 2-(2'-pyrrolidinyl)-1,4-benzodioxanes: The 2 R,2' S diastereomer of the N-methyl-7-hydroxy analogue is a potent  $\alpha$ 4B2- and  $\alpha$ 6B2-nicotinic acetylcholine receptor partial agonist. *Journal of Medicinal Chemistry*, 2012, 54, 7588-7601.

Mucchietto, V., Fasoli, F., Pucci, S., Moretti, M., Benfante, R., Maroli, A., Di Lascio, S., Bolchi, C.,

Pallavicini, M., Dowell, C., McIntosh, M., Clementi, F., Gotti, C.  $\alpha$ 9- and  $\alpha$ 7-containing receptors mediate the pro-proliferative effects of nicotine in the A549 adenocarcinoma cell line. *British Journal of Pharmacology*, 2018, 175, 1957-1972

Bolchi, C., Pallavicini, M., Fumagalli, L., Straniero, V., Valoti, E. One-pot racemization process of 1-Phenyl-1,2,3,4-tetrahydroisoquinoline: A key intermediate for the antimuscarinic agent solifenacin *Organic Process Research and Development*, 2013, 17, 432-437.

Bolchi, C.; Bavo, F.; Gotti, C.; Fasoli, F.; Binda, M.; Mucchietto, V.; Sciacaluga, M.; Plutino, S.; Fucile, S.; Pallavicini, M. From pyrrolidinyl-benzodioxane to pyrrolidinyl-pyridodioxanes, or from unselective antagonism to selective partial agonism at  $\alpha$ 4 $\beta$ 2 nicotinic acetylcholine receptor. *European Journal of Medicinal Chemistry*, 2017, 125, 1132-1144.

#### Appartenenza a gruppi

Member of Italian Chemical Society (SCI)

#### 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 04/12/2018

Signature

