

## Marco Pallavicini

Full Professor



### Diplomas:

- Baccalaureat, classical A levels (60/60), Istituto Zaccaria, Milano – Liceo Berchet, Milano (1977)
- Master's degree in Chimica e Tecnologia Farmaceutiche (110/110 e lode), Università degli Studi di Milano (a.a. 1982-83)
- Ph. D. in Chimica del Farmaco, Università degli Studi di Milano (1986)
- Compimento inferiore (V anno) pianoforte, Conservatorio Giuseppe Verdi, Milano (1976)

### Career:

- Assistant Professor of Medicinal Chemistry, Università degli Studi di Milano (1990)
- Associated Professor of Medicinal Chemistry, Università degli Studi di Milano (1998)
- Full Professor of Medicinal Chemistry, Università degli Studi di Milano (2005)
- President of Consiglio di Coordinamento Didattico of the master's degree course 'Chimica e Tecnologia Farmaceutiche' (2009-2013)

### Five most significant publications:

- M.Pallavicini, E.Valoti, L.Villa, O.Piccolo. Lipase-catalyzed resolution of glycerol 2,3-carbonate. *J.Org.Chem.* 1994, 59, 1751.
- C.Gotti, B.Balestra, M.Moretti, G.E.Rovati, L.Maggi, G.Rossoni, F.Berti, L.Villa, M.Pallavicini, F.Clementi. 4-Oxystilbene compounds are selective ligands for neuronal nicotinic  $\alpha$ Bungarotoxin receptors. *Brit.J.Pharmacol.* 1998, 124, 1197.
- M.Pallavicini, E.Valoti, L.Villa, O.Piccolo. Resolution of  $\beta$ -unsaturated amines with isopropylidene glycerol hydrogen phthalate. *Tetrahedron: Asymmetry* 2000, 11, 4017.
- M.Pallavicini, R.Budriesi, L.Fumagalli, P.Ioan, A.Chiarini, C.Bolchi, M.P.Ugenti, S.Colleoni, M.Gobbi, E.Valoti. WB4101 related compounds: new subtype selective  $\alpha_1$ -adrenoreceptor antagonists (or inverse agonists?). *Journal of Medicinal Chemistry* 2006, 49, 7140.
- C.Bolchi, C.Gotti, M.Binda, L.Fumagalli, L.Pucci, F.Pistillo, G.Vistoli, E.Valoti, M.Pallavicini. Unichiral 2-(2'-pyrrolidinyl)-1,4-benzodioxanes: the 2R,2'S diastereomer of the N-methyl-7-hydroxy analogue is a potent  $\alpha_4\beta_2$ -nicotinic acetylcholine receptor partial agonist. *Journal of Medicinal Chemistry* 2011, 54, 7588.

### Research interests

Design, synthesis, structure-activity relationship of ligands, mostly unichiral, of different receptor systems, enzymes and proteins, such as neuronal nicotinic receptors,  $\alpha_1$ -adrenergic receptor subtypes, FTase and FtsZ.

Development of new methods to prepare and to characterize bioactive chiral molecules and their precursors as pure enantiomers by using different technologies.