

PERSONAL INFORMATION



Laura Fumagalli

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 laura-fumagalli

CURRENT POSITION **Assistant professor**

WORK EXPERIENCE

March 2018
From June to July 2014

**National Scientific qualification to the role of Associate professor (Chim-08)
Visiting Scientist -Weizmann Institute of Science**

Weizmann Institute of Science, Rehovot -Israel-

From January 2009 today

Assistant Professor Chimica Farmaceutica Scientific disciplinar sector Chim-08

Università degli Studi di Milano "Dipartimento di Scienze Farmaceutiche"

From November 2006 to
December 2008

Contract for research activities

Università degli Studi di Milano "Istituto di Chimica Farmaceutica e Tossicologica"

From November 2004
To October 2006

**Research contract with GNOSIS S.p.A to develop analytical and preparative
methods for the salts of fructose 1,6-biphosphate**

Università degli Studi di Milano "Istituto di Chimica Farmaceutica e Tossicologica"

From April 2001 to October 2001

**Reserach fellowship from RECORDATI S.p.A/FEDERCHIMICA with the title:
"Study regarding isolation, identification and synthesis of the impurities related
to the production of Phenytoin and Phosphenytoin"**

Università degli Studi di Milano "Istituto di Chimica Farmaceutica e Tossicologica"

EDUCATION AND TRAINING

December 2004

PhD in Medicinal Chemistry

Università degli Studi di Milano

PhD Thesis: "WB4101-analogues: design, synthesis and biological evaluation".

January 2002

Authorization to practice the Pharmacist profession

Università degli Studi di Milano

March 2001

Master Degree in Chemistry and Pharmaceutical Technologies

"Università degli Studi di Milano"

Degree Thesis: "Structure-activity relationship for alpha-1 adrenergic subtypes on WB4101 analogues"

PERSONAL SKILLS

Mother tongue

Italian

SELF ASSESSMENT

Other language(s)

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C2	C2

French A2 B1 A2 A2 B1

Communication skills Good communication skills gained and trained through the research and teaching activities, the latter carried continually out since in the academic courses of CTF, Pharmacy e SSCTA da A.A 2010/2011.

Organisational / managerial skills Good organizational and managerial skills gained by the organization and the coordination of students and research group. Good ability to establish national and international scientific collaboration

Job related skills The scientific activity is related to the design, the synthesis and the structure-activity relationships of: antimicrobials; dual inhibitors of dipeptidyl peptidase IV and CALL; α 1-adrenoceptor antagonists. Along with the up mentioned topics, the research activity includes the synthesis of specific probe useful in protein pull-down and for precision medicine. Moreover, the scientific activity deal with the development of analytical and preparative stereo technologies for the synthesis and characterization of bioactive molecules.

Digital skills

SELF ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Intermediate	Intermediate	Intermediate	Intermediate	Intermediate

Good skills of office suite tools (word processor, presentation software).

ADDITIONAL INFORMATION

Publications

Author of more than 40 scientific articles published in international journals with IF and peer- reviewed and inventor of patents. Author ID: ORCID ID: 0000-0003-1917-3000; Scopus Author ID: 8061867300.

Most relevant papers:

“Stressed degradation studies of domiphen bromide by LC-ESI-MS/MS identify a novel promising antimicrobial agent”. L. Fumagalli, L.G. Regazzoni, V. Straniero, E. Valoti, G. Aldini, G. Vistoli, M. Carini, C. Picozzi. JPBA (2018) vol.159, p. 224-228.

“Direct HPLC Separation of carnosine enantiomers with two chiral stationary phases based on penicillamine and teicoplanine derivatives”. L. Fumagalli, L. Pucciari, L. Regazzoni, E. Gilardoni, M. Carini, G. Vistoli, G. Aldini, R. Sardella. Journal of Separation Science (2018) vol. 41, p. 1240-1246.

“Diadenosine tetraphosphate (Ap4A) - an E. coli alarmone or a damage metabolite?”. D. Despotović, A. Brandis, A. Savidor, Y. Levin, L. Fumagalli, D.S. Tawfik (2017). The FEBS Journal (2017), vol. 284, p. 2194-2215.

“Crystallization-based resolution of 1,4-benzodioxane-2-carboxylic acid enantiomers via diastereomeric 1-phenylethylamides”. L. Fumagalli, C. Bolchi, F. Bavo, M. Pallavicini. Tetrahedron Letters (2016), vol. 57, p. 2009-2011.

“Characterization of in vitro metabolites of JWH-018, JWH-073 and their 4-methyl derivatives, markers of the abuse of these synthetic cannabinoids” Gambaro V., Arnoldi S., Bellucci S., Casagni E., Dell’Acqua L., Fumagalli L., Pallavicini M., Roda G., Rusconi C., Valoti E. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences (2014), 957, 68-76.

“6-Methoxy-7-benzofuranoxo and 6-Methoxy-7-indolyloxy Analogues of 2-[2-(2,6-Dimethoxyphenoxy)ethyl]aminomethyl-1,4-benzodioxane (WB4101): Discovery of a Potent and Selective α 1D- Adrenoceptor Antagonist” Fumagalli L., Pallavicini M., Budriesi R., Bolchi

C., Canovi M., Chiarini A., Chiodini G., Gobbi M., Laurino P., Micucci M., Valoti E. Journal of Medicinal Chemistry (2013), 56(16), 6402-6412.

“Affinity and activity profiling of unichiral 8-substituted 1,4-benzodioxane analogues of WB4101 reveals a potent and selective α 1B-adrenoceptor antagonist” Fumagalli L., Pallavicini M., Budriesi R., Gobbi M., Straniero V., Zagami M., Chiodini G., Bolchi C., Chiarini A., Micucci M., Valoti E. European Journal of Medicinal Chemistry (2012), 58, 184-191.

Italian Patent # 102017000103637

European Patent PCT/IB2018/057007

The entire list of the publications is available on AIR.

Conferences/presentations

Speaker at national and international congresses.

Membership

Member of Società Chimica Italiana

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

November 9th, 2018