

PERSONAL INFORMATION

Luca Palazzolo



📍 Senago (Italy)

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POSITION

Ph.D Student

WORK EXPERIENCE

Oct 2016–Present

Ph.D Student

Università degli Studi di Milano, Dipartimento di Scienze Farmacologiche e Biomolecolari, Milano (Italy)

In silico investigations on proteins and their ligands in health and disease, PBPK modelling and system biology modelling to describe adverse outcome in disease. Euromix (H2020 project) participant.

Business or sector: Scientific research, computational biophysics and occupational medicine

May 2016–Oct 2016

Research Associate (Assegnista di Ricerca)

Università degli Studi di Milano, Dipartimento di Scienze Biomediche e Cliniche "L. Sacco", Milano (Italy)

In silico assessment of toxicological risk, PBPK modelling and system biology modelling to describe adverse outcome in disease. Euromix (H2020 project) participant.

Business or sector: Scientific research, computational biochemistry and occupational medicine

May 2015–Feb 2016

Research Fellow (Borsista di Ricerca)

Fondazione Italiana Sclerosi Multipla and Università degli Studi di Milano, Dipartimento di Scienze Farmacologiche e Biomolecolari, Milano (Italy)

In silico investigations on proteins and their ligands in health and disease.

Business or sector: Scientific research, computational biochemistry and biophysics

2013

Alderman

Comune di Senago, Senago (Italy)

Alderman with delegations to culture, environmental policies, youth, participation and transparency, sports and leisure

Business or sector: Public administration

2012–2016

Scientific Consultant

Cooperativa Archeologica Orme dell'Uomo, Cervero (Italy)

Responsible for satellite tracking within the project: "Monitoraggio e buone pratiche di tutela del patrimonio del sito UNESCO n. 94 Arte rupestre della Valle Camonica", Legge 20 febbraio 2006, n.77, E.F. 2010 and integrations for a noncontinuous period.

Business or sector: Scientific research, archaeology & physics

EDUCATION AND TRAINING

2015 **Graduation in Physics (LM-17)**
Università degli Studi di Milano, Milano (Italy)

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Through the years, I was often requested to give seminars and invited talks at national and international meetings.

I am active on social networks, with fair engagement ability.

Organisational / managerial skills

Leadership: I currently represent the Ph.D. Students at the Academic Senate of Università degli Studi di Milano; I was the President of Ph.D Council of Università degli Studi di Milano; I was responsible for a research group of 4 people during the consultancy for the Cooperativa Archeologica Orme dell'Uomo; I was the head of 6 offices (40 person c.a.) during the year as alderman of the municipality of Senago

Management: I plan and organize all the Ph.D Council activities, I evaluate and discuss the data produced in my laboratory and I am responsible for the research strategies implemented by me and my students. I also was responsible for Comune di Senago and I managed projects for approx. 2 M€.

Organization: I organize conferences and meetings in collaboration with Università degli Studi di Milano, I follow the work of an H2020 project. I organized conferences and meetings as assessor of Comune di Senago.

Digital skills

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

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

Publications

Articles on peer reviewed journals with IF:

1. Contente ML, Serra I, **Palazzolo L**, Parravicini C, Gianazza E, Eberini I, Pinto A, Guidi B, Molinari F, Romano D.

Enzymatic reduction of acetophenone derivatives with a benzil reductase from Pichia glucozyma (KRED1-Pglu): electronic and steric effects on activity and enantioselectivity.

Org. Biomol. Chem., 2016, 14, 3404-3408 (IF 3.564)

2. Parravicini C, Daniele S, **Palazzolo L**, Trincavelli ML, Martini C, Zaratini P, Primi R, Coppolino G, Gianazza E, Abbracchio MP, Eberini I.

A promiscuous recognition mechanism between GPR17 and SDF-1: Molecular insights.

Cell. Signal., 2016, 28, 631-642 (IF 3.937)

3. Ciuffreda P, Brizzolari A, Casati S, Eberini I, **Palazzolo L**, Parravicini C, Santaniello E.
2,4-Furfurylidene-D-Sorbitol and its tetra-methyl ether. Synthesis, conformational studies, and radical scavenging activity.
ARKIVOC, 2016, (v) 50-68 (IF 1.1031)
4. Napolitano L, Galluccio M, Scalise M, Parravicini C, **Palazzolo L**, Eberini I, Indiveri C.
Novel Insights into the Transport Mechanism of the human amino acid transporter LAT1 (SLC7A5). Probing critical residues for substrate translocation.
Biochim. Biophys. Acta, 2017, 4, 727–736 (IF 4.702 *)
5. Napolitano L, Scalise M, Koyoni M, Koutentis P, Catto M, Eberini I, Parravicini C, **Palazzolo L**, Pisani L, Galluccio M, Console L, Carotti A, Indiveri C.
Potent inhibitors of human LAT1 (SLC7A5) transporter based on dithiazole and dithiazine compounds for development of anticancer drugs.
Biochem. Pharm., 2017, S0006-2952(17)30483-5 (IF 4.581 *)
6. Chiricozzi E, Pomè DY, Maggioni M, Di Biase E, Parravicini C, **Palazzolo L**, Loberto N, Eberini I, Sonnino S.
Role of the GM1 ganglioside oligosaccharide portion in the TrkA-dependent neurite sprouting in neuroblastoma cells.
J Neurochem., 2017, 143(6):645-659 (IF 4.083 *)
7. Lauria A, Perrotta C, Casati S, Di Renzo I, Ottria R, Eberini I, **Palazzolo L**, Parravicini C, Ciuffreda P.
Design, synthesis, molecular modelling and in vitro cytotoxicity analysis of novel carbamate derivatives as inhibitors of Monoacylglycerol lipase.
Bioorg Med Chem., 2018, 26(9):2561-2572 (IF 2.930 *)
8. **Palazzolo L**, Parravicini C, Laurenzi T, Guerrini U, Indiveri C, Gianazza E, Eberini I.
In silico description of LAT1 transport mechanism at an atomistic level.
Front. Chem., 2018, 6:350. (IF. 3.994*)
9. Knebel C, KebbenJ, Eberini I, **Palazzolo L**, Hammer HS, Süssmuth R, Heise T, Hessel-Pras S, LampenA, Braeuning A, Marx-Stoelting P.
Propiconazole is an activator of AHR and causes concentration additive effects with an established AHR ligand.
Archive of Toxicology, 2018, (IF 5.728*)

Reviews on peer reviewed journals with IF:

10. Gianazza E, Miller I, **Palazzolo L**, Parravicini C, Eberini I.
With or without you — Proteomics with or without major plasma/serum proteins.
J. Proteomics, 2016, 140, 62-80 (IF 3.914)
11. Gianazza E, Miller I, Guerrini U, **Palazzolo L**, Parravicini C, Eberini I.
Gender proteomics - I. Which proteins in non-sexual organs.
J. Proteomics, 2018,178:7-17 (IF 3.914 *)
12. Gianazza E, Miller I, Guerrini U, **Palazzolo L**, Parravicini C, Eberini I.

Gender proteomics - II. Which proteins in sexual organs.

J. Proteomics, 2018,178:18-30 (IF 3.914 *)

Abstract on peer reviewed journals with IF:

13. Battistoni M, **Palazzolo L**, Bois F, Di Renzo F, Eberini I, Guerrini U, Metruccio F, Moretto A, Menegola E.

Development of an integrated system biology model for predicting mixtures of chemicals: The case of the azole fungicides.

Reprod. Toxicol., 2016, 64, 22-26 (IF 2.341)

14. Eberini I, **Palazzolo L**, A. Peijnenburg, Guerrini U, Parravicini C, Moretto A, Bovee T.

In silico prioritization for endocrine active substances (EAS) and their in vitro validation.

Toxicol. Lett., 2016, 258S, S120 (IF 3.858)

15. Menegola E, **Palazzolo L**, Moretto A, Battistoni M, Metruccio F, Guerrini U, Di Renzo F, Eberini I.

Comparison of teratogenic potency of azoles using in silico and in vitro methods.

Toxicol. Lett., 2016, 258S, S294 (IF 3.858)

Articles on peer reviewed journals without IF:

16. **Palazzolo L**, Crespi A, Maugeri M, Badino G.

Analisi geofisica integrata per la caratterizzazione della micrometeorologia ipogea.

TALP, 2016, 53, 74-90.

Honours and awards

Dicembre 2015

Winner of "R. Giannotti" prize for the graduation thesis in Physics entitled "Analisi geofisica integrata per la caratterizzazione della micrometeorologia ipogea"

Granted projects

December 2018 - December 2019

Financing institution: European Food Safety Authority (EFSA)

Project Title: Literature search – Exploring in silico protein toxicity prediction methods to support the food and feed risk assessment.

Total amount: € 85.000

Role: WPs Leader and Junior Expert

May 2015-April 2019

Financing institution: European Union through Horizon2020 - Research and Innovation Framework Programme

Project Title: EuroMix

Total amount: € 7.999.098, € 576.914 granted to Università di Milano and € 60.000 granted to my host laboratory

Role: Participant

June 2017- May 2018

Financing institution: Fondazione Italiana Sclerosi Multipla (FISM)

Project Title: Deciphering and modelling remyelinating mechanisms induced by clinically-used azole antifungals with exploitable repurposing properties

Total amount: € 75.000

Role: Participant

Tutoring CdL in Biotecnologie del Farmaco, Università degli Studi di Milano
2016-2017 EOPS of Bioinformatica Strutturale, 16 hours

CdL in Safety Assessment of Xenobiotics and Biotechnological Products, Università degli Studi di Milano
2016-2017 EOPS of Structural Bioinformatics in Quantitative Chemical Structure and Activity Relationship - Structure, 16 hours

CdL in Biotecnologie del Farmaco, Università degli Studi di Milano
2017-2018 EOPS of Bioinformatica Strutturale, 16 hours

CdL in Safety Assessment of Xenobiotics and Biotechnological Products, Università degli Studi di Milano
2017-2018 EOPS of Structural Bioinformatics in Quantitative Chemical Structure and Activity Relationship - Structure, 16 hours

CdL in Safety Assessment of Xenobiotics and Biotechnological Products, Università degli Studi di Milano
2018-2019 EOPS of Structural Bioinformatics in Quantitative Chemical Structure and Activity Relationship - Structure, 16 hours (508/AC call)

Membership in scientific societies Member of Società Italiana di Fisica (SIF)

Academic institutional activities 2018-in course Ph.D. student representative in the Academic Senate of Università degli Studi di Milano

2016-2018 President of Ph.D Council of Università degli Studi di Milano

2016-in course Ph.D. student representative in the *Collegio Docenti* of Epidemiology, Environment and Public Health