



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

[Federica Gasparri]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	GASPARRI
Name	FEDERICA
Date of birth	[10-10-1989]

PRESENT OCCUPATION

Appointment	Structure
Researcher	University of Milan

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Biology applied to Biomedical Research	University of Milan (IT)	2013
Specialization			
PhD	Pharmaceutical Sciences	University of Copenhagen (DK)	2017
Master			
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
English	Excellent
Danish	Sufficient
French	Sufficient

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2010	ERASMUS - Study abroad scholarship (Oxford Brookes University, UK)
2015	Best poster presentation at DRA Summer school (University of Copenhagen, DK)
2015	Augustinus Fonden - Study abroad scholarship
2015	The A.P. Møller Foundation - Study abroad scholarship
2016	Lundbeck Foundation - Travel grant (Conference)
2017	Oticon Fonden - Travel grant (Conference)

TRAINING OR RESEARCH ACTIVITY

- To obtain the degree in Biology Applied to Biomedical Research I did an internship at Oxford Brookes University (Oxford, UK). During the ten month internship I have learnt basic molecular biology techniques, expression of ion channels in *Xenopus laevis* oocytes, electrophysiological techniques (two-electrode voltage-clamp) to study ligand-protein interactions in the nicotinic acetylcholine receptors (nAChRs).
- During my PhD I focus my research on ligand-gated ion channels (LGICs), in particular on P2X receptors. I introduced single point mutation and I engineered P2XRs by incorporation of non-canonical amino acids (ncAAs). I investigated the pharmacological properties of P2XRs by combining mutagenesis and electrophysiological techniques (voltage-clamp and patch-clamp).
- While I was obtaining my PhD degree I spent three months at the University of Strasbourg (Strasbourg, FR) where I have learnt the single channel patch-clamp technique.
- During the PhD I participated to a workshop on the use of ncAAs to engineer soluble and/or membrane proteins. The workshop took place in parallel with the first conference on genetic code expansion (Oregon State University, USA).
- I am currently studying voltage-gated ion channels (HCN channels) by combining molecular biology approaches, incorporation of ncAAs and electrophysiology.



PROJECT ACTIVITY

Year	Project

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
07-2013	Int. Union of Physiological Science	Birmingham (UK)
09-2013	Cambridge Neuroscience Event	Cambridge (UK)
05-2015	Ion channel symposium	Copenhagen (DK)
02-2016	60th Annual meeting of Biophysical Society	Los Angeles (USA)
05-2016	Ion channel symposium	Copenhagen (DK)
08-2016	Genetic Code Expansion Conference	Corvallis (USA)
02-2017	61st Annual meeting of Biophysical Society	New Orleans (USA)
07-2018	Gordon Research Conference on ion channels	South Hadley (USA)
09-2018	Ion channel design using experimental and computational inputs	Gargnano (IT)

PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
Mazzaferro et al; Additional acetylcholine (ACh) binding site at alpha4/alpha4 interface of (alpha4beta2)2alpha4 nicotinic receptor influences agonist sensitivity. <i>J. Biol. Chem.</i> (2011)
Mazzaferro et al; Non-equivalent ligand selectivity of agonist sites in (alpha4beta2)2alpha4 nicotinic acetylcholine receptors: a key determinant of agonist efficacy. <i>J. Biol. Chem.</i> (2014)

Congress proceedings
[title, structure, place, year]



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[title, structure, place, year]

[title, structure, place, year]

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: MILANO, 15.11.18

SIGNATURE