PERSONAL INFORMATION

Paola Carla Giussani

JOB POSITION STUDIES

Associate Professor BIO/10- Biochemistry
Degree in BIOLOGICAL SCIENCES, PhD in BIOCHEMISTRY

WORK EXPERIENCE

2018 to today Associate Professor SSD BIO/10- Biochemistry

Department of Medical Biotechnology and Translational Medicine, University of Milan

2006-2018 Assistant Professor, SSD BIO/10-Biochemistry - Department of Medical Biotechnology and Translational Medicine, University of Milan

2004-2018 Researcher scientist, SSD BIO/10-Biochemistry - Department of Chemistry, Biochemistry and Biotechnology for Medicine, then merged into the Department of Medical Biotechnology and Translational Medicine, University of Milan

2002-2003 Visiting Researcher, Department of Biochemistry, Medical College of Virginia Commonwealth University, VCU, Richmond, VA, USA

2000-2003 Postdoctoral fellow - Department of Medical Chemistry and Biochemistry, University of Milan

1999 Holder of a research contract financed by Consorzio Milano Ricerche at Department of Chemistry, Biochemistry and Biotechnology for Medicine, University of Milan

1995-1998 Research doctorate fellow, Department of Medical Chemistry and Biochemistry, University of Milan

1994-1995 Laboratory experience, during the training period at the Department of Medical Chemistry and Biochemistry, University of Milan

1992-1994 Laboratory experience, during the thesis period, at the Department of Medical Chemistry and Biochemistry, University of Milan

EDUCATION AND TRAINING

1999 Ph.D. in Biochemistry, University of Milan

1994 Degree in Biology, University of Milan

1988 High School Degree in Scientific Education, Erba, (Co)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient user	Proficient user	C1	C1	Proficient user
French	Basic user	Basic user	Basic user	Basic user	Basic user

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Communication skills

good communication skills gained through my experience as teacher and speaker at national and international meetings

good interpersonal and teamwork skills gained through years of experience in research activity performed in collaboration with national and international partners

Organisational / managerial skills

1997 - today responsable of the Functional Biochemistry and of the fluorescence Microscopy and video imaging laboratories at the Department of Chemistry, Biochemistry and Biotechnology for Medicine, then merged into the Department of Medical Biotechnology and Translational Medicine, University of Milan, sezione Laboratori Interdisciplinari di Tecnologie Avanzate (L.I.T.A.) Segrate. In the above mentioned laboratories I carry out my research coordination activities.

In 2003 participated as organizer of "The first undergraduate biochemistry research simposium" - Virginia Commonwealth University, Richmond, Virginia, USA

a.a. 2014-2015 I was member of the commissione riesame annuale e ciclico for the Master's degree program in Medical Biotechnology and Molecular Medicine

a.a. 2015-2016 I was member of the commissione riesame annuale e ciclico for the degree program in Medical Biotechnology

In 2015 and in 2017 I was responsible of the organization activity of Meet me Tonight (notte bianca dei ricercatori) for the Department of Medical Biotechnology and Translational Medicine, University of Milan

a.a 2016-2017 I was one of the organizers of the "Biometra Seminars", scientific seminars of the Department of Medical Biotechnology and Translational Medicine, University of Milan

In 2017 I was one of the organizers of the "Workshop BIOMETRA", scientific day of the Department of Medical Biotechnology and Translational Medicine, University of Milan

2017 – 2022 december referent AQ (Assicuratore di Qualità) for the degree program in Medical Biotechnology

2021 - today member of the Joint Teacher-Student Parithetical Committee of the Medical School (Polo Centrale), University of Milan

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Job-related skills

I am supervisor of experimental thesis for students of the degree program in Biotecnologie Mediche, of the Master's degree program in Biotecnologie Mediche e Medicina Molecolare, of the Master's degree program in Medical Biotechnology and Molecular Medicine and of Biologia Applicata alla Ricerca Biomedica

In 2016 I was member of the admissions committee to the XXXII ciclo of the PhD program in Scienze Biochimiche

I am responsible to carry out the planning and organization of the course of Chimica Biologica for students of the degree in Medicina e chirurgia

I participate to carry out the planning and organization of the training internship for students of the degree in Biotecnologie Mediche and of the Master's degree program in Medical Biotechnology and Molecular Medicine

Teaching of courses for M.Sc and PhD programmes.
In detail I was involved in the organization and teaching for the following courses:

- corso di Biochimica per i corsi di laurea di Biotecnologie (corso interfacoltà) e Biotecnologie Mediche (corso di laurea triennale)
- Corso integrato di *Chimica biologica* per il Corso di Laurea in Medicina e Chirurgia dell'Università degli Studi di Milano
- Corso di Chimica e biochimica del corso di Laurea in Podologia dell'Università degli Studi di Milano
- Corso di Biochimica del corso di Laurea in Fisioterapia dell'Università degli Studi di Milano
- Corso di Scienze Precliniche Biomediche E Umane- Modulo di biochimica del corso di Laurea in Fisioterapia dell'Università degli Studi di Milano
- Corso Integrato di Esercitazioni di Laboratorio del Corso di Laurea Specialistica Biotecnologie Mediche e Medicina Molecolare.
- Corso di From Atoms to cells del corso di Laurea International Medical School dell'Università degli Studi di Milano
- Corso di Functions del corso di Laurea International Medical School dell'Università degli Studi di Milano
- Corso di Biochimica e fondamenti di biochimica umana per il corso di laurea in Biotecnologie Mediche dell'Università degli Studi di Milano
- Corso di Biochimica umana per il corso di laurea magistrale in Biotecnologie Mediche e Medicina Molecolare dell'Università degli Studi di Milano
- Corso di Modelli Sperimentali e basi della terapia biotecnologica per il corso di laurea magistrale in Biotecnologie Mediche e Medicina Molecolare dell'Università degli Studi di Milano
- Corso di Human biochemistry per il corso di laurea magistrale in Medical Biotechnology and Molecular Medicine dell'Università degli Studi di Milano

Since 1994 I carry out my research activity at Department of Chemistry, Biochemistry and Biotechnology for Medicine, then merged into the Department of Medical Biotechnology and Translational Medicine, University of Milan. I carry out my research activity also in collaboration with different national and international research groups.
The scientific activity developped in the field of lipid biochemistry, focusing the interest on the sphingolipid metabolism (in particular ceramide e sphingosine-1-phosphate) and on their role in the regulation of both physiological and pathological cellular functions: in particular, I carried out my research activity in the following fields;

1) Metabolism and role of bioactive sphingolipids in the regulation of neuronal differentiation
2) Metabolism and role of bioactive sphingolipids in the control of glial cell proliferation
3) Metabolism and functional role of bioactive sphingolipids in glioblastomas
4) Metabolism and functional role of bioactive sphingolipids in type 2 diabetes
5) Role of bioactive sphingolipids in the microglia-neurons communication

Driving licence B

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References
Citations
Courses
Certifications

The results obtained during my research activity are documented by 47 papers in peer-reviewed journals, 1 book chapter, 51 communications to international meetings and 30 communications to national meetings.

Referee for the following scientific international journals:
FEBS Letters, Journal of Neurochemistry, Journal of Cellular Biochemistry, Plos ONE, Journal of experimental and clinical cancer research, Scientific Reports, International Journal of Molecular Sciences, Human Molecular Genetics and Bioscence and Bioengineering

Guest Editor for the International Journal of Molecular Sciences with a special issue entitled **"Sphingolipid Metabolism and Signaling in Diseases"; "**Sphingolipid Metabolism and Signaling in Diseases 2.0"; "Sphingolipid Metabolism and Signaling in Diseases 3.0"; "Mechanisms and Therapeutic Opportunities of Sphingolipids: Where Are We?"; "Sphingolipid Metabolism and Signaling: Role in Health and Diseases"

Review editor of the journal "Frontiers in Neurology"

Referee for grant proposal to:
"Initiative of Excellence" dell'Università di Tolosa (2015); Israel Science Foundation (2018); Imperial College London–Starting grant (2020); Fondazione Cariplo-Sardegna (2021); Research Australia (2021)

I presented as talk the results obtained with my research activity to the following national and international meetings (in some of them as invited speaker):

1996	V incontro dei giovani biochimici dell'area milanese, (Gargnano, Brescia)
1998	XI riunione "A. Castellani" dei dottorandi di ricerca in discipline biochimiche (Brallo di Pregola, Pavia)
1998	IV° Convegno Nazionale su: Aspetti biologici dell'ossido d'azoto (Urbino)
2001	Riunione della Sezione Liguria-Lombardia-Piemonte della Società Italiana di Biochimica e Biologia Molecolare (Pavia)
2002	37th Annual Southeastern Regional Lipid Conference (Cashiers, U.S.A.)
2005	VII European Meeting on 'Glial cell function in health and disease' (Amsterdam, NL)
2005	50th SIB, Riccione 2005, Riunione gruppo di Neurochimica (Riccione)
2006	5th International Meeting of the Sphingolipid Club (Calella de la Costa, Spain)
2008	7th Sphingolipid Club International Meeting", Leiden (The Netherlands)
2010	55th National Meeting of the Italian Society of Biochemistry and Molecular Biology (SIB)", Milano (Italy)- ***invited speaker***
2011	9th Sphingolipid Club International Meeting", Favignana
(Italy) 2013	10th Sphingolipid Club International Meeting", Assisi (Italy)
2013	"Convegno Biometra", Humanitas Milano (Italy) - ***invited speaker***
2015	"I Venerdì di Farmacologia", Istituto di Neuroscienze CNR, via Vanvitelli, Milano (Italy) - ***invited speaker***
2015	"BIOMETRA SEMINARS 2014-2015", LITA Segrate, Milano (Italy)- ***invited speaker***
2016	Incontro dei giovani biochimici dell'area milanese, (Gargnano, Brescia) (Italy)- ***invited speaker***
2017	9th International Ceramide Conference (Port Jefferson, Long Island, NY, USA)
2017	51th Congresso Nazionale SIB 2017, Caserta (Italy)- ***invited speaker***
2018	Breakfast Meeting, Sphingolipid alterations in human pathologies, Ospedale San Paolo, Milano (Italy)- ***invited speaker***
2019	FASEB Science Research Conference (SRC), **The Lysophospholipid and Related Mediators Conference: From Bench to Clinic, Human Remyelination Promoting Antibody Induces Astrocytes Proliferation Modulating the Sphingolipid Rheostat in Primary Rat Mixed Glial Cultures, Lisbon, Portugal**

Member of the following scientific societies:
Società Italiana di Biochimica; Sphingolipid Club; European Society of Neurochemistry; International Society of Neurochemistry; Federation of European Neuroscience Society-FENS

Awards;
"Postdoctoral Research Award" Southeastern Regional Lipid Conference (Cashiers, North Carolina, U.S.A.) 2002

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, May 22th, 2023 Signature