

PERSONAL INFORMATION

Rosaria Bassi



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CURRENT POSITION

Assistant Professor Sector BIO/10 - Biochemistry

WORK EXPERIENCE

From 2001

Assistant Professor Sector BIO/10 - Biochemistry

Università degli Studi di Milano, Department of Medical Biotechnology and Translational Medicine

- Research field: glycosphingolipid biochemistry and metabolism

Teaching in courses of the School of Medicine (Biochemistry and Fundamental of Human Biochemistry, Methodologies in Molecular and Cellular Biology, Course of Medical Biotechnologies; Methods and Applications in Biotechnology, Course of Medical Biotechnology and Molecular Medicine; Biomedical Sciences, Course in Psychiatric Rehabilitation Techniques)

From 1997 to 2001

Researcher scientist, Sector BIO/10 - Biochemistry,

Department of Chemistry, Biochemistry & Medical Biotechnology, Faculty of Medicine, University of Milan

- Research field: functional role of sphingoid molecules in cells of the nervous system

Teaching in courses of the School of Medicine (Biochemistry and Human Biochemistry, Course of Medical Biotechnologies; Biochemistry, Course in Psychiatric Rehabilitation Techniques)

From 1995 to 1996

Visiting Researcher

Department of Biological and Biophysical Sciences and Biochemistry, University of Louisville, KY, USA

- Research field: functional role of glycosyltransferases involved in ganglioside biosynthesis

From 1994 to 1997

Scientific Technician

Department of Medical Chemistry and Biochemistry, Faculty of Medicine, University of Milan

- Research field: metabolism and functional role of glycolipids

From 1991 to 1994

Post Graduate Fellow

Department of Medical Chemistry and Biochemistry, Faculty of Medicine, University of Milan

- Research field: metabolism and functional role of gangliosides

From 1987 to 1991

Post Graduate Fellow as graduate student attending the Specialization Course in Clinical Chemistry and Biochemistry

Department of Medical Chemistry and Biochemistry, Faculty of Medicine, University of Milan

- Research field: structural properties of gangliosides

EDUCATION AND TRAINING

- 1991 **Postgraduate Specialization in Clinical Chemistry and Biochemistry**
Department of Medical Chemistry and Biochemistry, Faculty of Medicine, University of Milan
- 1987 **Master Degree in Biological Sciences**
Dept. of Biology, Faculty of Mathematical, Physical and Natural Sciences, University of Milan

PERSONAL SKILLS

Mother tongue Italian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Communication skills

- good communication skills gained through twenty years of teaching experience as faculty member
- good interpersonal and teamwork skills gained through thirty years of experience in research activity performed in collaboration with national and international partners

Organisational/ managerial skills

- good ability to coordinate and manage experimental research activity as investigator of research projects
- supervisor of experimental thesis for students of the degree program in Medical Biotechnology
- ability to plan and manage the training internship for students of the degree program in Medical Biotechnology
- from 1997 organization and management of the teaching activity in the laboratories of biochemistry and cell biology for the students of B.Sc. in Medical Biotechnology; coordination of postdoctoral student instructors, and supervision of the technical staff responsible for the teaching laboratories and equipment
- from 2013 member of the Joint Teacher-Student Parithetical Committee of the Department of Medical Biotechnology and Translational Medicine, University of Milan

Job-related skills

- experimental research in biochemistry and cell biology laboratories with advanced methodologies and instrumentation for complex glyco/sphingolipid analysis as well as their metabolic pathways

Teaching Activity

- B.Sc. in Medical Biotechnology
 - 2006-present: Lecturer in the course of Methodology in Molecular and Cellular Biology
 - 2001-present: Lecturer in the course of Biochemistry and Human Biochemistry
 - 2006-present: Academic staff organizer and supervisor of the laboratory classes, which are the main part of the course of Methodology in Molecular and Cellular Biology
 - 1998-2010: Academic staff organizer and supervisor of the laboratory classes, which are integral part of the course of Biochemistry
- B.Sc. in Psychiatric Rehabilitation Techniques
 - 2012-2013: Lecturer in the course of Biomedical Sciences I and responsible for the core module of Biochemistry
 - 2011-2012: Coordinator and lecturer in the course of Biochemistry
 - 2001-2011: Lecturer in the course of Biochemistry
- M.Sc. in Medical Biotechnology and Molecular Medicine
 - 2003-2006: Lecturer and laboratory classes in the course of Methods and Applications in Biotechnology, responsible for the core module of Biochemistry

- Main research activities** The main research interests concern the biochemistry of glyco/sphingolipids focusing on their metabolism and functional role in different fisiopathological conditions.
The results of the scientific activity allowed:
- to define the chemico-physical properties of gangliosides
 - to outline ganglioside metabolism and turnover in cells of the nervous system
 - to characterize the intracellular processing of GM2 synthase
 - to identify the metabolic origin of sphingoid bioregulators (sphingosine, ceramide, sphingosine-1-phosphate) and to demonstrate their role in cell differentiation and proliferation and in drug resistance
- Current research activity** ▪ The current research is focused on the functional role of glycosphingolipids and glycosphingohydrolases in the neurodegeneration processes and in cystic fibrosis lung inflammation
- Publications** International Publications: >60 in peer-reviewed scientific journals
Presentations at National and International Scientific Meetings: >130
h-index Scopus: 23; total citations Scopus: 1747
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- Personal Data** 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, 15 aprile 2019

Signature

