

Diego Colombo

PERSONAL INFORMATION

Department of Medical Biotechnology and Translational Medicine –
Università degli Studi di Milano
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ORCID ID: <https://orcid.org/0000-0003-1436-2304>

POSITION Associate Professor of Biochemistry

WORK EXPERIENCE

- 2002 - present **Associate Professor of Biochemistry (SSD: BIO10 - Biochimica)**
Università degli Studi di Milano - Department of Medical Biotechnology and Translational Medicine (Department of Medical Chemistry and Biochemistry)
University teaching and research activities in the bioorganic chemistry field - Head of the NMR laboratory
- 1995 - 2001 **Researcher of Biochemistry (SSD: BIO10 - Biochimica)**
Università degli Studi di Milano - Department of Medical Chemistry and Biochemistry
Research activities in the bioorganic chemistry field - Referent scientist of the NMR and MS instruments
- 1991 - 1995 **Research technician (VII level)**
Università degli Studi di Milano - Department of Medical Chemistry and Biochemistry
Referent scientist of the NMR and MS instruments - Research activities in the bioorganic chemistry field
- 1988 - 1988 **Fellowship**
Università degli Studi di Milano - Department of Medical Chemistry and Biochemistry
Research activities on structure and synthesis of carminic acid and its metabolites funded by "Nutrition Foundation of Italy"
- 1986 - 1988 **Fellowship**
Università degli Studi di Milano - Department of Medical Chemistry and Biochemistry
Research activities on interaction of formaldehyde and caseins funded by "Consorzio per la tutela del formaggio Grana Padano"

EDUCATION AND TRAINING

- 1992 **PhD in Biochemistry (4 years)**
 Università degli Studi di Milano
 Research activities in the field of carbohydrates biotransformations in non-aqueous solvents
- 1986 **Degree in Pharmaceutical Chemistry and Technology (5 years - Lm-13)**
 Università degli Studi di Milano

PERSONAL SKILLS

Teaching activity

- AY 1994/95 – 2015/16 Specialization in Clinical Biochemistry - Course of Analytical Instrumental Chemistry III (1 CFU)
- AY 1995/96-present Medicine and Surgery (LM-41) - Chemistry and Introductory Biochemical Course (7 CFU)
- AY 2003/04-present Nursing (L/SNT1) - Basic sciences Course (5 CFU): Biochemistry teaching (2 CFU), at Istituto Nazionale dei Tumori, Ospedale Niguarda, Ospedale San Carlo, Ospedale Policlinico, Fondazione Don Gnocchi.

Research Experience Main research interests encompass mainly bioorganic chemistry and nuclear magnetic resonance applied to molecular modelling for structure-activity relationships of biologically important molecules. In particular, the synthesis of several glycoacyl lipid analogues active in cancer chemoprevention has been performed employing both chemical and chemoenzymatic procedures, together with their structure-antitumor-promoting activity relationships both in vitro and in vivo models. Recently he is also interested in the anti-tumor activity of some sulfolipids, namely sulfoquiosides, and other anionic glycolipids (glucuronides) as Protein Kinase B inhibitors. An ongoing project concern the optimization of some of these compounds.

Mother tongue(s) Italian

Other language(s) English (independent user)

Communication skills Good communication skills gained through the experience as a university lecturer and researcher

Organisational / managerial skills Organizing and planning the research work of undergraduate, graduate students and research fellows and managing the research funding.

Digital skills Independent user - Good ability of MS office suite tools and digital image processing

ADDITIONAL INFORMATION

Publications

Author of 86 publications in peer-reviewed international scientific journals, with impact factor and registered by the main databases. The list of publications is available in the Institutional Research Archive of the Università Statale di Milano <http://air.unimi.it/> or in the orcid website at <https://orcid.org/0000-0003-1436-2304>

Membership in scientific societies

- Italian Society of Biochemistry and Molecular Biology (SIB)
- Italian Society of Chemistry (SCI)

Reviewing activity

Reviewer for international journals in the field of bioorganic chemistry

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.

April, 08th 2019

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