

## PERSONAL INFORMATION

## Claudia Bello



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10/05/1979 | Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

## WORK EXPERIENCE

## 03.2020- Associate Professor

University of Florence, DICUS - Department of Chemistry "Ugo Schiff", Interdepartmental research unit of peptide and protein chemistry and biology, via della Lastruccia 13, 50019 Sesto Fiorentino

- Research activity in the field of peptide and protein synthesis and selective modification.
- Supervision of undergraduate and graduate students
- Teaching: course of "Environmental Chemistry" of the Master program in Natural Sciences 6 ECTS; course of "Methods of Structural Investigation in Organic Chemistry" of the Master program in Chemistry, 6 ECTS (shared course); course "Biorganic Chemistry" of the Bachelor program in Biotechnology, 6 ECTS; course of "Organic Chemistry" of the Bachelor program in Biological Sciences 6 ECTS (shared course)

## 03.2017-02.2020 Assistant Professor – Montalcini Program for Young Researchers

University of Florence, DICUS - Department of Chemistry "Ugo Schiff", Interdepartmental research unit of peptide and protein chemistry and biology, via della Lastruccia 13, 50019 Sesto Fiorentino

- Research activity, project title "Deciphering O- and N-Glycosylation by Generating Access to Complex Homogeneously Glycosylated Peptides and Proteins", Montalcini program for young researchers from the Italian Ministry of Education, University and Research, call 2014 (total funding 222.373,66 €).
- Teaching activity: course of "Biorganic Chemistry" of the Bachelor program in Biotechnology 6 ECTS; course "Biotransformations in Organic Chemistry" of the Master program in Chemistry 6 ECTS; course of "NMR Spectroscopy in Organic Chemistry" of the Master program in Chemistry 6 ECTS (shared course)

## 12.2012-02.2017 Senior Researcher

University of Vienna, Institute of Biological Chemistry, Währinger Straße 38, 1090 Wien, <https://biologischechemie.univie.ac.at/>

- Research activity on the chemical synthesis, purification and characterization of peptides and proteins site-specifically modified with sugars.
- Supervision of undergraduate and graduate students.
- Teaching activity: Responsible lecturer of the course "Chemical Biology" of the Master in Chemistry and PhD School, University of Vienna 3 ECTS (shared course), co-organizer of the practical courses "Biological Chemistry" and "Peptide and Protein chemistry", University of Vienna

## 12.2012-12.2016 Visitor Scientist

Structural and Computational Biology Unit, Biomolecular Networks group, EMBL-Heidelberg, Germany

- Periodic short stays at EMBL for research activities in collaboration with the group of Dr A.-C. Gavin

## 12.2010-11.2012 Postdoc (A. von Humboldt foundation)

Department of Chemistry, Protein Chemistry group, Technische Universität München, Germany and Structural and Computational Biology Unit, (Gavin group), EMBL-Heidelberg, Germany

- Research activity on the project "Synthesis and application of homogeneous proteins with multiple posttranslational modifications" funded by the A. von Humboldt foundation (total funding 80.000,00 €). Research focused on the development of methods for the preparation via chemical and enzymatic techniques of modified peptides and proteins. Supervision of undergraduate students

08.2009-07.2010

### Postdoc - Innogrant (Vice-Precidency for Innovation EPFL)

Institut de Sciences et Ingénierie Chimique (ISIC), Laboratoire de Glycochimie et Synthèse Asymétrique (LGSA), Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland

- Research activity on the project entitled "Anti-cancer agents", funded with an Innogrant from the Vice-Precidency for Innovation of the EPFL, which supports innovative projects with startup potential (total funding: 100.000,00 CHF).

## EDUCATION AND TRAINING

26.08.2005-03.08.2009

### PhD in chemistry and chemical Engineering

Ecole Polytechnique Fédérale de Lausanne (EPFL), EPFL EDCH program, Batochime 3313, CH-1015 Lausanne

- Title of the thesis "Search for new anti-cancer heterocyclic compounds": design and chemical synthesis of small molecules with potential anti-cancer activity and their conjugates, their purification and characterization via NMR spectroscopy, mass spectrometry, IR and UV spectroscopy, in vitro biological evaluation of compounds as glycosidase inhibitors

2006

### Diplome d'Etudes approfondies (DEA) multinational de chimie moleculaire

Ecole Polytechnique, Palaiseau, France and EPFL, Switzerland

- Advanced studies on organic chemistry, chemical synthesis methods, bioorganic chemistry. Synthesis and characterization of small molecules with anti-cancer activity

03.2004-02.2005

### 2nd Level University Master Degree (Master di II livello) in Drug design and development

University of Pavia, Italy with internship at CarboGen AG (Aarau, CH)

- "Systematic Development of an Enantioselective HPLC Separation of Intermediates Based on Phenyl butyric acid and a Method for their Synthesis", project conducted under the supervision of Prof O. Azzolina (University of Pavia) and Dr Markus Juza (CarboGen AG, Aarau, Switzerland)

10.1998-11.2003

### Laurea (Degree after 5 years of studies) in chemistry

University of Basilicata, Italy

## PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

English, French, German

## ADDITIONAL INFORMATION

**Publications:** 25 publications in peer-review scientific journals, 2 proceedings, 3 patent applications. (H-Index: 12, citations: 399. Source: Scopus)

**Presentations:** 23 oral presentations (4 invited), and 18 poster presentations in international conferences/meetings.