

SHORT CURRICULUM VITAE and STUDIORUM

(update at May 2017)

Prof. Dr. Barbara Milani

University of Trieste

Department of Chemical and Pharmaceutical Sciences

Personal Notes

Born in: Varese, at 01/12/1965

Nationality: Italian

Marital status: married

Positions occupied:

10/2014 – Present **Associate Professor of Inorganic Chemistry**
Permanent Position
University of Trieste
Department of Chemical and Pharmaceutical Sciences

4/1998 – 9/2014 **Assistant Professor of Inorganic Chemistry**
Permanent Position
University of Trieste
Faculty of Science

Education:

1994/1997 **Post doc** University of Trieste
Department of Chemical Sciences
Supervised by: Prof. Giovanni Mestroni

1991/1994 **Ph. D. Student** University of Trieste
Department of Chemical Sciences
Tutor: Prof. Giovanni Mestroni

1990//1991 **Industrial Fellowship**
Sponsored by Istituto Guido Donegani – ENICHEM Novara
Research topic: “Reductive carbonylation of nitroaromatic compounds”

1989 **“Laurea” in Chemistry** University of Trieste
Mark: 110/110 cum laude

Studies and Research Activity out of Italy:

05/2014 **Visiting Professorship at Université Pierre et Marie Curie – Paris**
(France)

03/2012, 03/2014

03/2017 **ERASMUS exchange teaching staff mobility at University Rovira i**
Virgili in Tarragona (Spain)

- 10/2010 **Visiting Professorship at Ecole Nationale Superieure des Ingenieurs en Arst Chimiques et Technologiques – Institut National Polytechnique de Toulouse – Toulouse (France)**
- 6/2001 & 9/2000 **Studies and Research Activity at University of Amsterdam**
Supervisor: Prof. Dr. Cornelis J. Elsevier
- 4-5/2002 & 7-9/1993 **Studies and Research Activity at ETH in Zürich**
Supervisor: Prof. Giambattista Consiglio

Titles

- Abilitation for Full Professor in Inorganic Chemistry (April 2017)
- Abilitation for Associate Professor in Inorganic Chemistry (December 2013)
- Abilitation for Associate Professor in Industrial Chemistry (December 2013)
- Accreditation for Advanced Research in Catalunya (March 2010)
- Ph. D. in Chemistry (October 1995)
- Abilitation for teaching Chemistry in the High School (February 1995)
- Laurea in Chemistry (December 1989)

Principal Investigator and/or Participants of the following research grants

Local Research Grants

- 2016-2018 **Participant to Research Fund of Trieste University – FRA2015**
“Small molecules: keys for sustainable development”
- 2014-2015 **Participant to Research Fund of Trieste University – FRA2013**
“Design and development of new coordination compounds having specific functionality”
- 2012-2013 **Participant to Research Fund of Trieste University – FRA2011**
“Application of ¹⁹F NMR spectroscopy for multidisciplinary studies”
- 2009-2010 **Scientist in charge of a University grant** for a Post doc fellowship
- 2009 **Recipient of a donation** of 10000 € by Fondazione Benefica Kathleen Foreman Casali specifically dedicated to buy a tynclave reactor
- 2007-2008 **Scientist-in-charge for a Post doc position**
“Regio- and stereocontrolled polymerization reactions catalyzed by late transition metals”

National Research Grants:

- 2016-2019 **Participant to the Italian Project PRIN 20154X9ATP_005**
Project Title: Towards a Sustainable Chemistry: Design of Innovative Metal-Ligand Systems for Catalysis and Energy Applications.
Central Coordinator: Prof. Alberto Albinati Università di Milano

- 2016 **Participant to Progetti Competitivi**
 Subproject title: Development of homogeneous catalysts for the CO₂/cyclic ether copolymerization
 Central Coordinator: National Interuniversity Consortium for Chemical Reactivity and Catalysis (CIRCC)
- 2014 **Participant to Progetti Competitivi**
 Subproject title: Catalysis for polymerization and polymeric materials
 Central Coordinator: National Interuniversity Consortium for Chemical Reactivity and Catalysis (CIRCC)
- 9/2008 – 8/2010 **Local Coordinator of the Italian Project PRIN 2007HMTJWP_002**
 “Catalysis for chemo- and stereocontrolled polymerization: powerful tool for the synthesis of new polymeric materials”
 Central Coordinator: Prof. Serafino Gladiali Università di Sassari
- 1/2006 – 12/2007 **Local Coordinator of the Italian Project PRIN 2005035123**
 “Regio- and Stereocontrolled Polymerization and Post-polymerization Reactions Catalyzed by Late Transition Metal Complexes”
 Central Coordinator: Prof. Serafino Gladiali Università di Sassari
- 1/2004 – 12/2005 **Local Coordinator of the Italian Project PRIN 2003033857**
 “Chiral nitrogen-donor ligands for asymmetric catalysis promoted by transition metals complexes. New tools for fine chemicals synthesis”
 Central Coordinator: Prof. Serafino Gladiali Università di Sassari

International Research Grants:

- 2016 **Recipient of a donation** of 25000 € by BENEFICIENTIA Stiftung Lichtestein
- 2013-2017 **Coordinator of the Working Group “CM1205/0002”**
 Title of the project: “CO_x Reduction”
 COST Action CM1205 - CARISMA
- 2007-2011 **Member of Working Group N. D40/WG3**
 “C-C and C-Hetero Bond Forming Reactions”
 COST Action D40 “Innovative Catalysis: New Processes and Selectivities”
- 2006 -2007 **Principal Italian Investigator for the Bilateral Action Italy/Germany “Vigoni”**
 “Development of efficient catalysts based on palladium and nitrogen-donor ligands for stereocontrolled polymerization reactions”
 German Partner: Prof. Oliver Reiser, University of Regensburg
- 10/2002 – 9/2006 **Central Coordinator of a European Research Training Network**
 Title of the project: “Atom-economic synthesis using palladium, the chameleon catalyst” “PALLADIUM”
 5th Framework Program

6/2000 – 5/2006 **Coordinator of the Working Group “D17/0002/00”**
Title of the project: “New catalysts for copolymerization of olefins and polar monomers”
COST Action D17

Industrial Research Grants

2008 - 2010 **Scientist-in-charge of contract with Marlin (Trieste) enterprise**
“Development of new polymeric materials for environmentally friendly antifouling paints”

Collaborations:

Collaborations inside the Department

Prof. Enzo Alessio
Dr. Gabriele Balducci
Prof. Fulvia Felluga
Prof. Paolo Fornasiero
Prof. Elisabetta Iengo
Dr. Tiziano Montini
Prof. Ennio Zangrando

Collaborations with Italian Professors

Prof. Carla Carfagna University of Bologna
Prof. Alceo Macchioni University of Perugia
Prof. Claudio Pellecchia University of Salerno
Prof. Fabio Ragaini University of Milano
Dott. Roberta Seraglia CNR of Padova

International Collaborations

Prof. Martin Albrecht University of Dublin (Ireland)
Prof. Sergio Castillon University Rovira i Virgili of Tarragona (Spain)
Prof. Carmen Claver University Rovira i Virgili of Tarragona (Spain)
Dr. Jerome Durand ENSIACET Toulouse (France)
Prof. Cornelis K. Elsevier University of Amsterdam (The Netherlands)
Prof. Pedro Gomez Tecnico Lisboa (Portugal)
Prof. Anna Masdeu University Rovira i Virgili of Tarragona (Spain)
Prof. Edwin Otten University of Groningen (The Netherlands)
Prof. Dieter Vogt University of Edinburgh (Scotland)

Editorial Activity

2008-present Member of Advisory Board of Dalton Transactions
2007-2009 Member of Advisory Board of European Journal of Inorganic Chemistry

Co-editor of:

- Dalton Transaction themed issue on “Small Molecules activation” issue 45, 2016
- Dalton Transactions themed issue on “Metal-catalysed polymerisation” issue 41, 2009
- Book of abstracts of International Symposium on Homogeneous Catalysis, ISHC-XVI (Florence, July 2008)
- Helvetica Chimica Acta, 2006, 89 (8): special issue dedicated to Prof. Giambattista Consiglio

Member of the organizing committee of:

- Session Chair for the Topic “T12 – Homogeneous Catalysis” at the 44th International Conference on Coordination Chemistry – ICC2020 (Rimini, July 2020)
- 28^a International Conference on Organometallic Chemistry ICOMC (Florence, July 2018)
- XXXVIII National Conference of the Inorganic Chemistry Division (Trieste, September 2010)
- VIII National Conference on Supramolecular Chemistry (Trieste, September 2007)
- International Symposium on Homogeneous Catalysis, ISHC-XVI (Florence, July 2008)
- 2009-present Member of Advisory Board of International Symposium on Homogeneous Catalysis

Additional information

- Responsible for the 500 MHz NMR Varian spectrometer that was installed at the Department of Chemical Sciences on March 2008, and she gives the training for the use of the Spectrometer to the users of the Department.
- Responsible for the ERASMUS exchanges for chemistry for the Department of Chemical and Pharmaceutical Sciences.
- Representative of the University of Trieste in the National Interuniversity Consortium for Chemical Reactivity and Catalysis (CIRCC).
- Tutor of undergraduate and PhD students, supervisor of Post-docs. One of the PhD theses has been awarded by the National Prize of the Inorganic Chemistry Division of the Italian Chemical Society for the best thesis of 2013.
- Member of commission for PhD evaluation both at National and International level.
- Referees of scientific publications for Journal of high, medium/high level.

Publications:

h index 26 (WoS, May 2017).

(Co)-author of 69 publications, 2 book chapters (1 as corresponding author), and 7 patents.

Conferences

37 Invited lectures at National and International Universities and at Companies, such as SHELL, BASF, DSM, SABIC.

18 Keynote and Invited Lectures at National, International Conferences and Schools.

The list of publications is reported in the related section of the web site.