

INFORMAZIONI PERSONALI **Cesare Gennari**

POSIZIONE RICOPERTA **Professore Ordinario di Chimica Organica**

ESPERIENZA PROFESSIONALE

- dal 1994 **Professore Ordinario di Chimica Organica, Università degli Studi di Milano**
- 1985-1994 **Professore Associato di Chimica Organica, Università degli Studi di Milano**
- 1982-1983 **Research Associate nel gruppo del Prof. Clark Still, Columbia University, New York (USA)**
- 1981-1985 **Assistente ordinario nel gruppo del Prof. Luigi Canonica, Università degli Studi di Milano**
- 1978-1981 **Assistente incaricato nel gruppo del Prof. Luigi Canonica, Università degli Studi di Milano**
- 1976-1978 **Collaboratore del Prof. Carlo Scolastico, Università degli Studi di Milano**

- 2012-2018 **▪ Membro del Senato Accademico, Università degli Studi di Milano**
- 2008-2012 **▪ Direttore del Dipartimento di Chimica Organica e Industriale, Università degli Studi di Milano**
- 2008-2011 **▪ Direttore del Centro di Eccellenza C.I.S.I. (Centro Interdipartimentale Studi bio-molecolari e applicazioni Industriali), Università degli Studi di Milano**
- 2005-2008 **▪ Vice-direttore del Dipartimento di Chimica Organica e Industriale, Università degli Studi di Milano**

ISTRUZIONE E FORMAZIONE

1975 **Laurea in Chimica con lode, Università degli Studi di Milano**

COMPETENZE PERSONALI

Lingua madre **Italiano**

Altre lingue

Inglese

COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
Ascolto	Lettura	Interazione	Produzione orale	
C1	C2	C1	C1	C1

Competenze organizzative e gestionali

- Dal 1999 al 2004 membro del Consiglio Direttivo dell'A.P.R.E. (Agenzia per la Promozione della Ricerca Europea) in rappresentanza del Rettore dell'Università di Milano (prima Paolo Mantegazza e poi Enrico Decleva).

Competenze professionali

- Nel periodo 1998-2001 membro del Comitato direttivo della divisione di Chimica Organica della IUPAC (International Union of Pure and Applied Chemistry) e dal 2004 "IUPAC fellow".

Incarichi editoriali

- Attualmente (dal 2017) membro dell'International Advisory Board della rivista "European Journal of Organic Chemistry" (Chairman dell'Editorial Board nel periodo 2013-2016, membro dell'Editorial Board nel periodo 2008-2012, membro dell'International Advisory Board nel periodo 1998-2004). Dal 2015 "ChemPubSoc Europe fellow". Membro del "Consulting Board of Editors" della rivista "Tetrahedron:Asymmetry" dal 1990 al 2017.

Finanziamenti nazionali e internazionali

- Coordinatore scientifico nazionale di programmi di ricerca PRIN-2006, PRIN-2008, PRIN-2010/11 e attualmente per il PRIN-2015.
- NATO 1988-91, EC "twinning research grant" 1990-93, NATO 1992-94, EC Network "Human Capital

- and Mobility" grant 1993-96 [coordinatore di rete], NATO 1995-99, EC "Marie Curie" grants 1996-2007, EC Network "Improving Human Potential" grants 1996-2006, EC "Marie Curie Research Training Network" grants 2006-2010, 2012-2016 [coordinatore di rete], e 2015-2018.
- Interessi di ricerca**
- Studio di nuovi metodi enantioselettivi, e loro applicazione alla sintesi di sostanze naturali e non-naturali, dotate di interessanti proprietà chimiche e biologiche. Ligandi peptidomimetici delle integrine e di loro coniugati con composti citotossici per il cosiddetto "tumor targeting". Sviluppo di nuove metodologie catalitiche per la trasformazione di gruppi funzionali organici.

ULTERIORI INFORMAZIONI

Riconoscimenti e premi

- "NATO senior fellowship" (1985), medaglia Ciamician della divisione di chimica organica della Società Chimica Italiana (1986), premio Federchimica (1993), premio e "honorary lecture" Karl Ziegler-Giulio Natta, conferito congiuntamente dalla Gesellschaft Deutscher Chemiker e dalla Società Chimica Italiana (1997), lecture Merck Frosst della Università di Toronto (2005-2006), premio alla ricerca "Chimica organica nei suoi aspetti sintetici" della Divisione di Chimica Organica della Società Chimica Italiana (2006), lecture AstraZeneca della Università di Sheffield (2010), medaglia d'oro "Adolfo Quilico" della Divisione di Chimica Organica della Società Chimica Italiana (2013), medaglia d'oro "Raffaele Piria" della Società Chimica Italiana (2017).

Pubblicazioni

- Autore di 6 brevetti, 6 capitoli di libri e > 200 pubblicazioni su riviste scientifiche internazionali sottoposte a peer-review nel periodo 1978-2018 (h-index \geq 45).
<http://orcid.org/0000-0002-7635-4900>

Lista delle pubblicazioni più recenti (2011-2018)

180) Bifunctional 2,5-Diketopiperazines as Rigid Three-Dimensional Scaffolds in Receptors and Peptidomimetics

Ressurreição, A. S. M.; Delatouche, R.; Gennari, C.; Piarulli, U.
Eur. J. Org. Chem. **2011**, *14*, 217-228.

181) Supramolecular ligand-ligand and ligand-substrate interactions for highly selective transition metal catalysis

Carboni, S.; Gennari, C.; Pignataro, L.; Piarulli, U.
Dalton Trans. **2011**, *40*, 4355-4373.

182) Highly Stereoselective Total Synthesis of (+)-9-*epi*-Dictyostatin and (-)-12,13-bis-*epi*-Dictyostatin

Zanato, C.; Pignataro, L.; Ambrosi, A.; Hao, Z.; Trigili, C.; Díaz, J. F.; Barasoain, I.; Gennari, C.
Eur. J. Org. Chem. **2011**, *14*, 2643-2661.

183) Bifunctional 2,5-Diketopiperazines as Efficient Organocatalysts for the Enantioselective Conjugate Addition of Aldehydes to Nitroolefins

Durini, M.; Sahr, F. A.; Kuhn, M.; Civera, M.; Gennari, C.; Piarulli, U.
Eur. J. Org. Chem. **2011**, *14*, 5599-5607.

184) Total Synthesis of (+)-7,11-Heliane and (+)-5-Chloro-7,11-Heliane via a Stereoselective Aromatic Claisen Rearrangement

Quartieri, F.; Mesiano, L. E.; Borghi, D.; Desperati, V.; Gennari, C.; Papeo G.
Eur. J. Org. Chem. **2011**, *14*, 6794-6801 and 6802.

185) Stereoselectivity in (Z)-Vinylmetal Additions to the Dictyostatin C1-C9 β -Silyloxy Aldehyde

Ambrosi, A.; Pignataro, L.; Zanato, C.; Gennari, C.
Eur. J. Org. Chem. **2012**, *15*, 144-153.

186) Rhodium-Catalyzed Asymmetric Hydrogenation of Olefins with PhthalaPhos, a New Class of Chiral Supramolecular Ligands

Pignataro, L.; Boghi, M.; Civera, M.; Carboni, S.; Piarulli, U.; Gennari, C.

Chemistry - A European Journal 2012, 18, 1383-1400.

187) Nuovi Composti Antitumorali - Cyclic Peptide Integrin Derivatives for Use as Anticancer Agents
Gennari, C.; Belvisi, L.; Potenza, D.; Colombo, R.; Mingozi, M.; Marchini, M.; Manzoni, L.; Arosio, D.; Perego, P. M. C.; Zaffaroni, N.; De Cesare, M.; Piarulli, U.

Italian Patent - Application 31 January 2012, N. MI2012A000121

PCT Int. Appl. IB2013/000116, 30 January 2013; *WO* 2013 114180 A1

188) Cyclic RGD-Peptidomimetics Containing Bifunctional Diketopiperazine Scaffolds as New Potent Integrin Ligands

Marchini, M.; Mingozi, M.; Colombo, R.; Guzzetti, I.; Belvisi, L.; Vasile, F.; Potenza, D.; Piarulli, U.; Arosio, D.; Gennari C.

Chemistry - A European Journal 2012, 18, 6195-6207.

189) A Library Approach to the Development of BenzaPhos, Highly Efficient Chiral Supramolecular Ligands for Asymmetric Hydrogenation

Pignataro, L.; Bovio, C.; Civera, M.; Piarulli, U.; Gennari, C.

Chemistry - A European Journal 2012, 18, 10368-10381.

190) Synthesis and Biological Evaluation (*in Vitro* and *in Vivo*) of Cyclic RGD Peptidomimetic - Paclitaxel Conjugates Targeting Integrin $\alpha_v\beta_3$

Colombo, R.; Mingozi, M.; Belvisi, L.; Arosio, D.; Piarulli, U.; Carenini, N.; Perego, P.; Zaffaroni, N.; De Cesare, M.; Castiglioni, V.; Scanziani, E.; Gennari, C.

J. Med. Chem. 2012, 55, 10460-10474.

191) Cyclic *iso*DGR Peptidomimetics as Low-Nanomolar $\alpha_v\beta_3$ Integrin Ligands

Mingozi, M.; Dal Corso, A.; Marchini, M.; Guzzetti, I.; Civera, M.; Piarulli, U.; Arosio, D.; Belvisi, L.; Potenza, D.; Pignataro, L.; Gennari, C.

Chemistry - A European Journal 2013, 19, 3563-3567.

192) Determination of the binding epitope of RGD-peptidomimetics to $\alpha_v\beta_3$ and $\alpha_{1b}\beta_3$ integrin-rich intact cells by NMR and computational studies

Guzzetti, I.; Civera, M.; Vasile, F.; Araldi, E. M.; Belvisi, L.; Gennari, C.; Potenza, D.; Fanelli R.; Piarulli, U.

Org. Biomol. Chem. 2013, 11, 3886-3893.

193) Synthesis and biological evaluation of dual action *cyclo*-RGD/SMAC mimetic conjugates targeting $\alpha_v\beta_3/\alpha_v\beta_5$ integrins and IAP proteins

Mingozi, M.; Manzoni, L.; Arosio, D.; Dal Corso, A.; Manzotti, M.; Innamorati, F.; Pignataro, L.; Lecis, D.; Delia, D.; Seneci, P.; Gennari, C.

Org. Biomol. Chem., 2014, 12, 3288-3302.

194) Enantioselective synthesis of 1-vinyltetrahydroisoquinolines through palladium-catalysed intramolecular allylic amidation with chiral PhthalaPhos ligands

Pignataro, L.; Marelli, E.; Gennari C.; Ferraccioli, R.

Tetrahedron: Asymmetry 2014, 25, 844-850.

195) Chiral (Cyclopentadienone)iron Complexes for the Catalytic Asymmetric Hydrogenation of Ketones

Gajewski, P.; Renom-Carrasco, M.; Vailati Facchini, S.; Pignataro, L.; Lefort, L.; de Vries, J. G.; Ferraccioli, R.; Forni, A.; Piarulli, U.; Gennari, C.

Eur. J. Org. Chem. 2015, 18, 1887-1893.

196) Cyclic *iso*DGR and RGD Peptidomimetics Containing Bifunctional Diketopiperazine Scaffolds are Integrin Antagonists

Panzeri, S.; Zanella, S.; Arosio, D.; Vahdati, L.; Dal Corso, A.; Pignataro, L.; Paolillo, M.; Schinelli, S.; Belvisi, L.; Gennari, C.; Piarulli, U.

Chemistry - A European Journal 2015, 21, 6265-6271.

197) Synthesis and Biological Evaluation of RGD Peptidomimetic-Paclitaxel Conjugates bearing Lysosomally Cleavable Linkers

Dal Corso, A.; Caruso, M.; Belvisi, L.; Arosio, D.; Piarulli, U.; Albanese, C.; Gasparri, F.; Marsiglio, A.; Sola, F.; Troiani, S.; Valsasina, B.; Pignataro, L.; Donati D.; Gennari, C.

Chemistry - A European Journal 2015, 21, 6921 - 6929.

- 198) Assisted Tandem Catalysis: Metathesis Followed by Asymmetric Hydrogenation from a Single Ruthenium Source
Renom-Carrasco, M.; Gajewski, P.; Pignataro, L.; de Vries, J. G.; Piarulli, U.; Gennari, C.; Lefort, L.
Adv. Synth. Catal. **2015**, *357*, 2223-2228.
- 199) Synthesis of (*R*)-BINOL-Derived (Cyclopentadienone)iron Complexes and Their Application in the Catalytic Asymmetric Hydrogenation of Ketones
Gajewski, P.; Renom-Carrasco, M.; Vailati Facchini, S.; Pignataro, L.; Lefort, L.; de Vries, J. G.; Ferraccioli, R.; Piarulli, U.; Gennari, C.
Eur. J. Org. Chem. **2015**, *18*, 5526-5536.
- 200) Synthesis, characterization and biological evaluation of a dual action ligand targeting $\alpha_v\beta_3$ integrin and VEGF receptors
Zanella, S.; Mingozi, M.; Dal Corso, A.; Fanelli, R.; Arosio, D.; Cosentino, M.; Schembri, L.; Marino, F.; De Zotti, M.; Formaggio, F.; Pignataro, L.; Belvisi, L.; Piarulli, U.; Gennari, C.
ChemistryOpen **2015**, *4*, 633 - 641.
- 201) Synthesis of a 4-Vinyltetrahydrocarbazole by Palladium-Catalyzed Asymmetric Allylic Alkylation of Indole-Containing Allylic Carbonates
Pignataro, L.; Fiorito, D.; Vece, V.; Ferraccioli, R.; Gennari, C.
Eur. J. Org. Chem. **2015**, *18*, 6669 - 6678.
- 202) $\alpha_v\beta_3$ Integrin-Targeted Peptide/Peptidomimetic-Drug Conjugates: In-Depth Analysis of the Linker Technology
Dal Corso, A.; Pignataro, L.; Belvisi, L.; Gennari, C.
Current Topics in Medicinal Chemistry **2016**, *16*, 314-329.
- 203) Asymmetric Transfer Hydrogenation of Ketones with modified Grubbs Metathesis Catalysts: On the Way to a Tandem Process
Renom-Carrasco, M.; Gajewski, P.; Pignataro, L.; de Vries, J. G.; Piarulli, U.; Gennari, C.; Lefort, L.
Adv. Synth. Catal. **2016**, *358*, 515-519.
- 204) Asymmetric Hydrogenation of 3-Substituted Pyridinium Salts
Renom-Carrasco, M.; Gajewski, P.; Pignataro, L.; de Vries, J. G.; Piarulli, U.; Gennari, C.; Lefort, L.
Chemistry - A European Journal **2016**, *22*, 9528 - 9532.
- 205) A Mixed Ligand Approach for the Asymmetric Hydrogenation of 2-Substituted Pyridinium Salts
Renom-Carrasco, M.; Gajewski, P.; Pignataro, L.; de Vries, J. G.; Piarulli, U.; Gennari, C.; Lefort, L.
Adv. Synth. Catal. **2016**, *358*, 2589 - 2593.
- 206) Expanding the catalytic scope of (cyclopentadienone)iron complexes to the hydrogenation of activated esters to alcohols
Gajewski, P.; Gonzalez-de-Castro, A.; Renom-Carrasco, M.; Piarulli, U.; Gennari, C.; de Vries, J. G.; Lefort, L.; Pignataro, L.
ChemCatChem **2016**, *8*, 3431-3435.
- 207) Riding the wave of monodentate ligand revival: from the A/B concept to non-covalent interactions
Pignataro, L.; Gennari, C.
Chem. Rec. **2016**, *16*, 2544 - 2560.
- 208) Insights into the binding of cyclic RGD peptidomimetics to $\alpha_5\beta_1$ integrin by live cell NMR and computational studies
Guzzetti, I.; Civera, M.; Vasile, F.; Arosio, D.; Tringali, C.; Piarulli, U.; Gennari, C.; Pignataro, L.; Belvisi, L.; Potenza, D.
ChemistryOpen **2017**, *6*, 128-136.
- 209) Synthesis of [bis(hexamethylene)cyclopentadienone]iron tricarbonyl and its application to catalytic reductions of C=O bonds
Vailati Facchini, S.; Neudörfl, J.-M.; Pignataro, L.; Cettolin, M.; Gennari, C.; Berkessel, A.; Piarulli, U.
ChemCatChem **2017**, *9*, 1461-1468.
- 210) Tumor Targeting with an isoDGR-Drug Conjugate
Zanella, S.; Angerani, S.; Pina, A.; López Rivas, P.; Giannini, C.; Panzeri, S.; Arosio, D.; Caruso, M.;

Gasparri, F.; Fraietta, I.; Albanese, C.; Marsiglio, A.; Pignataro, L.; Belvisi, L.; Piarulli, U.; Gennari, C.

Chemistry - A European Journal **2017**, *23*, 7910-7914.

211) Targeting Integrin $\alpha_v\beta_3$ with Theranostic RGD-Camptothecin Conjugates Bearing a Disulfide Linker: Biological Evaluation Reveals a Complex Scenario

Pina, A.; Dal Corso, A.; Caruso, M.; Belvisi, L.; Arosio, D.; Zanella, S.; Gasparri, F.; Albanese, C.; Cucchi, U.; Fraietta, I.; Marsiglio, A.; Pignataro, L.; Donati, D.; Gennari, C.

ChemistrySelect **2017**, *2*, 4759-4766.

212) Use of the Trost Ligand in Ruthenium-Catalyzed Asymmetric Hydrogenation of Ketones

Cettolin, M.; Puylaert, P.; Pignataro, L.; Hinze, S.; Gennari, C.; de Vries, J. G.

ChemCatChem **2017**, *9*, 3125 - 3130.

213) Investigating the interaction of cyclic RGD peptidomimetics with $\alpha_v\beta_6$ integrin by biochemical and molecular docking studies

Civera, M.; Arosio, D.; Bonato, F.; Manzoni, L.; Pignataro, L.; Zanella, S.; Gennari, C.; Piarulli, U.; Belvisi, L.

Cancers **2017**, *9*, 128; DOI:10.3390/cancers9100128

214) Multivalency Increases the Binding Strength of RGD Peptidomimetic-Paclitaxel Conjugates to Integrin $\alpha_v\beta_3$

Raposo Moreira Dias, A.; Pina, A.; Dal Corso, A.; Arosio, D.; Belvisi, L.; Pignataro, L.; Caruso, M.; Gennari, C.

Chemistry - A European Journal **2017**, *23*, 14410-14415;

DOI: 10.1002/chem.201703093

215) Synthesis and Biological Evaluation of RGD and isoDGR Peptidomimetic- α -Amanitin Conjugates for Tumor-Targeting

Bodero, L.; López Rivas, P.; Korsak, B.; Hechler, T.; Pahl, A.; Müller, C.; Arosio, D.; Pignataro, L.; Gennari, C.; Piarulli, U.

Beilstein J. Org. Chem. **2018**, *14*, 407-415; DOI:10.3762/bjoc.14.29

216) Efficient Synthesis of Amines by Iron-Catalyzed C=N Transfer Hydrogenation and C=O Reductive Amination

Vailati Facchini, S.; Cettolin, M.; Bai, X.; Casamassima, G.; Pignataro, L.; Gennari, C.; Piarulli, U.

Adv. Synth. Catal. **2018**, *360*, 1054-1059; DOI 10.1002/adsc.201701316

217) Synthesis and Biological Evaluation of Paclitaxel Conjugates Involving Linkers Cleavable by Lysosomal Enzymes and $\alpha_v\beta_3$ -Integrin Ligands for Tumor Targeting

López Rivas, P.; Randelović, I.; Raposo Moreira Dias, A.; Pina, A.; Arosio, D.; Tóvári, J.; Mező, G.; Dal Corso, A.; Pignataro, L.; Gennari, C.

Eur. J. Org. Chem. **2018**, *21*, 2902-2909; DOI: 10.1002/ejoc.201800447

Eur. J. Org. Chem. **2018**, *21*, DOI: 10.1002/ejoc.201800634

218) Improving C=N Bond Reductions with (Cyclopentadienone)iron Complexes: Scope and Limitations

Cettolin, M.; Bai, X.; Lübken, D.; Gatti, M.; Vailati Facchini, S.; Piarulli, U.; Pignataro, L.; Gennari, C.

Eur. J. Org. Chem. **2019**, *22*, 647-654; DOI: 10.1002/ejoc.201801348

219) Neutrophil Elastase Promotes Linker Cleavage and Paclitaxel Release from an Integrin-Targeted Conjugate

Raposo Moreira Dias, A.; Pina, A.; Dean, A.; Lerchen, H.-G.; Caruso, M.; Gasparri, F.; Fraietta, I.; Troiani, S.; Arosio, D.; Belvisi, L.; Pignataro, L.; Dal Corso, A.; Gennari, C.

Chemistry - A European Journal **2019**, *25*, 1696-1700; DOI: 10.1002/chem.201805447

220) Chiral (cyclopentadienone)iron complexes with a stereogenic plane as pre-catalysts for the asymmetric hydrogenation of polar double bonds

Bai, X.; Cettolin, M.; Mazzocanti, G.; Pierini, M.; Piarulli, U.; Colombo, V.; Dal Corso, A.; Pignataro, L.; Gennari, C.

Tetrahedron **2019**, *75*, 0000-0000; DOI: 10.1016/j.tet.2019.01.057

- Conferenze**
- 1980 Lecturer at the V National School of Synthetic Organic Chemistry (Gargnano, Italy).
 - 1983 Lecturer at the XIV Italian Chemical Society Meeting (S.Margherita Ligure, Italy).
 - 1985 Lecturer at the II National School for graduate students in Chemistry and Medicinal Chemistry (Urbino, Italy).
 - 1985 Lecturer at the IX International Symposium on "Synthesis in Organic Chemistry" organized by the Royal Society of Chemistry (Oxford, England, July 22-25).
 - 1986 Lecturer at the XVI Italian Chemical Society Meeting. "Ciamician medal" lecture (Urbino, Italy).
 - 1987 Lecturer at the XII National School of Synthetic Organic Chemistry (Gargnano, Italy).
 - 1987 Lecturer at the Berkeley Mini-Symposium on "Metals in Organic Synthesis" (Berkeley, California, August 4).
 - 1988 Lecturer at the Nato Conference on "Selectivities in Lewis Acid-Promoted Reactions" (Glyfada-Athens, Greece, October 2-7).
 - 1989 Lecturer at the Organic Chemistry Division Meeting of the SFC French Chemical Society (Paris, France, March 7).
 - 1989 Lecturer at the XIV National School of Synthetic Organic Chemistry (Gargnano, Italy, June 19-23).
 - 1991 Lecturer at the VII European Symposium on Organic Chemistry (ESOC 7, Namur, Belgium, July 15-19).
 - 1992 Lecturer at the "Annual Chemical Congress" of the Royal Society of Chemistry (Perkin Division Symposium on "Asymmetric Processes", Manchester, England, April 13-16).
 - 1992 Lecturer at the "Autumn Meeting" of the Royal Society of Chemistry (Perkin Division Symposium on "Working Molecules: The Design and Synthesis of Molecular Machinery", Trinity College, Dublin, Ireland, September 16-18).
 - 1992 Lecturer at the "I Convegno Italo-Tedesco di Chimica Organica" (Salsomaggiore Terme, Parma, October 4-7).
 - 1994 Lecturer at the "Ischia Advanced School of Organic Chemistry" (Ischia, Napoli, September 25-30).
 - 1995 Lecturer at the XV National School for graduate students in Chemistry and Medicinal Chemistry (Urbino, Italy, July 3-7).
 - 1995 Lecturer at the 1st European Chemical Society Symposium (Louvain-la-Neuve, Belgium, August 12-17).
 - 1996 Lecturer at the 11th "International Conference on Organic Synthesis" (ICOS 11, Amsterdam, The Netherlands, June 30-July 4).
 - 1998 Lecturer at the Symposium "The Carbonyl Group in Organic Chemistry" organized by the Society of Chemical Industry (SCI) (London, April 28).
 - 1998 Lecturer at the 8th "Brazilian Meeting on Organic Synthesis" (BMOS 8, Sao Pedro, SP, Brazil, September 7-11).
 - 1999 Lecturer at the 2nd French Symposium on Combinatorial Chemistry (Rennes, France, April 14-16).
 - 1999 Lecturer at the 1st French-Italian Symposium on Asymmetric Synthesis (Maratea, Italy, May 14-15).
 - 1999 Lecturer at the 11th European Symposium on Organic Chemistry (ESOC 11, Goteborg, Sweden, July 23-28).
 - 2000 Lecturer at the French Symposium on "Reactivity and Catalysis in Organic Synthesis" (Marseille, France, May 11-12).
 - 2000 Lecturer at the XXV National School of Synthetic Organic Chemistry (Gargnano, Italy, June 12-16).
 - 2000 Lecturer at the XX National School for graduate students in Chemistry and Medicinal Chemistry (Urbino, Italy, July 3-6).
 - 2001 Lecturer at the 15th Symposium "New Trends in Organic Synthesis" (Milano, Italy, November 26).
 - 2002 Lecturer at the joint meeting of the French Medicinal Chemical Society (SCT) - SFC Organic Chemistry Division (Paris, France, March 26).
 - 2002 Lecturer at the DECHEMA meeting on "Combinatorial catalysis" (Frankfurt, Germany, October 25).
 - 2003 Lecturer at the Royal Society of Chemistry Symposium "Design and Synthesis at the Frontiers of Biorganic Chemistry" (Bristol, England, March 5).
 - 2003 Lecturer at the XXI Italian Chemical Society Meeting (Torino, Italy, June 22-27).
 - 2003 Lecturer at the 20th Conference on Isoprenoids (Liberec, Czech Republic, September 12-18).
 - 2003 Lecturer at the "International Symposium on Organic Synthesis and Catalysis"

(Falkau/Feldberg, Germany, September 21-24).
 2003 Lecturer at the workshop “Combinatorial Chemistry and High Throughput Experimentation” organized by the Royal Netherlands Academy of Arts and Sciences (Amsterdam, The Netherlands, November 17-19).
 2005 Lecturer at the Southampton Organic Synthesis Symposium (SOSS-5) (Southampton, UK, January 21).
 2005 Lecturer at the 1st Austrian-German-Italian Meeting on Organic Chemistry (Vienna, Austria, April 1-2).
 2005 Lecturer at the XXX National School of Synthetic Organic Chemistry (Gargnano, Italy, June 13-17).
 2005 Lecturer at the 13th IUPAC Symposium on Organometallic Chemistry directed towards Organic Synthesis “OMCOS 13” (Geneva, Switzerland, July 17-21).
 2006 Lecturer at the 16th IUPAC International Conference on Organic Synthesis “ICOS-16” (Mérida, México, June 11-15, 2006).
 2006 Lecturer at the ORCHEM 2006 meeting (Gesellschaft Deutscher Chemiker, Bad Nauheim, Germany, September 7-9).
 2006 Lecturer at the XXII Italian Chemical Society Meeting (SCI-2006, Firenze, Italy, September 10-15).
 2007 Lecturer at the European School of Medicinal Chemistry and XXVII Advanced Course of Medicinal Chemistry and Seminar for PhD students (Urbino, Italy, July 1-6).
 2008 Lecturer at the 16th International Symposium on Homogeneous Catalysis (ISHC XVI, Florence, Italy, July 6-11).
 2008 Lecturer at the First IRBM Workshop on Medicinal & Organic Chemistry (Istituto Ricerca Biologia Molecolare - P. Angeletti [Merck & Co.], Pomezia, Roma, Italy, September 26).
 2009 Lecturer at the ICCA-11 (11th International Conference on the Chemistry of Antibiotics and Other Bioactive Compounds, San Sebastian, Spain, 29 Sept - 2 Oct 2009).
 2010 Lecturer at the 43rd Annual Meeting on ‘Modern Aspects of Stereochemistry’, AstraZeneca lecture (Sheffield, UK, January 12, 2010).
 2010 Lecturer at the “Ischia Advanced School of Organic Chemistry” (Ischia, Napoli, September 25-30).
 2010 Lecturer at the 25th Symposium “New Trends in Organic Synthesis” (Milano, Italy, November 15).
 2013 Lecturer at the 35th Meeting of the Organic Division of the Italian Chemical Society, Adolfo Quilico lecture (Sassari, Italy, September 9-13).
 2015 Lecturer at the 5th Int. CeBiTec Research Conference “Drug Conjugates for Directed Therapy” (Bielefeld, Germany, September 20-23).
 2015 Lecturer at the SCI (Society of Chemical Industry) meeting “Synthesis from the Six Nations II” (London, UK, October 7).
 2017 Lecturer at the 26th National Congress of the Italian Chemical Society, Raffaele Piria lecture (Paestum-Salerno, Italy, September 10-14).
 2018 Lecturer at the Meeting “Peptides and conjugates for tumor targeting, therapy and diagnosis” (Rimini, Italy, June 16-18).
 2018 Lecturer (plenary) at the 22nd IUPAC International Conference on Organic Synthesis “22-ICOS” (Florence, Italy, September 16-21).

Seminari

September 12, 1985 Columbia University, New York, N.Y., USA
 November 12, 1985 University of Minnesota, Minneapolis, Minnesota, USA
 January 21, 1986 University of Houston, Houston, Texas, USA
 February, 19, 1987 Geneva University, Geneva, Switzerland
 January 8, 1988 Universität Zurich, Zurich, Switzerland
 February 15, 1988 F.Hoffmann-La Roche & Co., Basel, Switzerland
 October 17, 1988 University of Lausanne, Lausanne, Switzerland
 December 2, 1988 Cambridge University, Cambridge, England
 December 7, 1988 Schering Agrochemicals, Chesterford Park, England
 December 9, 1988 Merck Sharp & Dohme Neuroscience Research Centre, Harlow Town, England
 June 28, 1989 Italfarmaco S.p.A., Milano, Italy
 July 4, 1989 Ferrara University, Ferrara, Italy
 October 13, 1989 Philipps Universität Marburg, Marburg, BDR
 October 14, 1989 Universität Hamburg, Hamburg, BDR

October 15, 1989 Universitat Gottingen, Gottingen, BDR
October 16, 1989 Freie Universitat Berlin, Berlin, BDR
January 31, 1990 Research Institute-Zambon, Milano, Italy
November 6, 1990 ICI Pharmaceuticals, Alderley Park, England
November 7, 1990 ICI Agrochemicals, Jealott, Bracknell, England
February 1, 1991 Istituto Ricerche Biologia Molecolare - P. Angeletti, Pomezia, Roma, Italy
April 21, 1992 The University, Newcastle upon Tyne, England
May 22, 1992 Italfarmaco S.p.A. , Milano, Italy
January 4, 1993 Merck Sharp & Dohme Research Laboratories, Rahway, New Jersey, USA
February 11, 1994 University of Barcelona, Barcelona, Spain
February 18, 1994 University of Amsterdam, Amsterdam, The Netherlands
December 21, 1994 Pharmacia-Farmitalia, Milano, Italy
February 1, 1995 Boeinger-Ingelheim, Milano, Italy
February 28, 1995 Istituto Ricerche Biologia Molecolare - P. Angeletti, Pomezia, Roma, Italy
April 12, 1995 Zambon Group, Milano, Italy
May 12, 1995 University of Gent, Belgium
November 28, 1995 Glaxo, Verona, Italy
May 17, 1996 University of Camerino, Italy
May 20, 1996 Centro Ricerche Lepetit, Gerenzano, Italy
March 4-7, 1997 University of Neuchatel, Switzerland
April 24, 1997 Great Lakes Chemical, S.Donato Milanese, Milano, Italy
May 12, 1997 University of Wuerzburg, Germany (Ziegler-Natta lecturer)
May 13, 1997 University of Aachen, Germany (Ziegler-Natta lecturer)
May 16, 1997 University of Marburg, Germany (Ziegler-Natta lecturer)
June 11, 1997 Zambon Group, Milano, Italy
July 3, 1997 Geneva University, Geneva, Switzerland
April 27, 1998 University of Cambridge, England
March 3, 1999 Glaxo-Wellcome, Verona, Italy
April 30, 1999 University of Strathclyde, Glasgow, U.K.
November 26, 1999 Academy of Sciences of the Czech Republic, Prague
April 19, 2000 Le Giornate di Chimica Organica a Pavia, University of Pavia, Italy
June 16, 2000 Helsinki University of Technology, Finland
April 22, 2002 University of Cologne, Germany
April 23, 2002 Bayer, Leverkusen, Germany (GDCh-speaker)
March 25, 2003 Istituto Ricerche Biologia Molecolare - P. Angeletti (Merck & Co.), Pomezia, Roma, Italy
November 7, 2003 Pharmacia-Pfizer, Nerviano (Milano), Italy
July 12, 2004 Nerviano Medical Science (NMS), Nerviano (Milano), Italy
January 18, 2005 Syngenta AG, Basel, Switzerland (Syngenta Chemistry Lecture)
February 2, 2005 Department of Chemistry, Queen Mary, University of London (Royal Society of Chemistry speaker)
September 27, 2005 van't Hoff Institute for Molecular Sciences, University of Amsterdam, Amsterdam, The Netherlands
January 27, 2006 Department of Chemistry, University of Toronto, Canada (Merck Frosst lecturer)
January 30, 2006 Merck Frosst, Montreal, Canada (Merck Frosst lecturer)
January 31, 2006 Department of Chemistry, University of Montreal, Canada (Merck Frosst lecturer)
February 21, 2008 Incontro con l'Università, il CNR e l'Industria - Dipartimento di Chimica Organica e Industriale, University of Milano, Italy
April 9, 2008 Le Giornate di Chimica Organica a Pavia, University of Pavia, Italy
February 5, 2010 AstraZeneca R&D Mölndal, Mölndal, Sweden
February 9, 2011 Bayer Schering Pharma AG, Wuppertal, Germany (GDCh-speaker)
February 17, 2011 Incontro con l'Università, il CNR e l'Industria - Dipartimento di Chimica Organica e Industriale, University of Milano, Italy
December 12, 2013 Nerviano Medical Science (NMS), Nerviano (Milano), Italy
June 1, 2015 University of Neuchatel, Switzerland
November 27, 2017 FIS, Vicenza, Italy
January 18, 2018 Istituto Lombardo Accademia di Scienze e Lettere, Milano, Italy

Dati personali Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 (Codice in materia di protezione dei dati personali) e sue successive modifiche e integrazioni, nonché del Regolamento UE 679/2016 (Regolamento Generale sulla Protezione dei dati o, più brevemente, RGPD).

Data, 1 Febbraio 2019

Firma

A large black rectangular redaction box covers the signature area. Two handwritten lines, likely representing the start of the signature, are visible above the box.