

## CV Prof. Giovanni Poli

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### Scientific career

- 1979 - 1980 Laurea, Università degli Studi di Milano (Directeur: Prof. Carlo Scolastico), Italy.  
1980 - 1985 PhD degree at Milan University (Supervisor: Prof. Carlo Scolastico)  
1983 Degree in Specialty School in Fine Organic Chemistry (Polytechnic, Milan), Italy.  
1985 - 1987 1<sup>st</sup> postdoctoral stage at Geneva University (Supervisor: Prof. Wolfgang Oppolzer), Switzerland.  
1987 - 1988 2<sup>nd</sup> postdoctoral stage at Geneva University (Maître Assistant) (Supervisor: Prof. Wolfgang Oppolzer), Switzerland.  
1988 - 1989 Maître Assistant at Lausanne University (independent position), Switzerland.  
1990 - 1992 Research Associate at Milan University, Italy.  
1992 - 2000 Associate Professor at Florence University, Italy.  
1999 - 2000 Invited Professor at Pierre et Marie Curie (UPMC) University, Paris, France.  
2000 - 2012 Full Professor (1<sup>st</sup> class) at UPMC, Paris, France.  
From 2012 Full Professor (Exceptional class) at UPMC, Paris, France.

### Research interests

In general:

- Study of new transformations in organometallic catalysis characterized by economy of steps and/or of atoms in organic synthesis.
- Understanding and optimization of selectivity (enantioselectivity and diastereoselectivity).
- Design of catalytic sequences enabling the creation of highly complex molecules in a single synthetic operation.
- Synthesis of heterocyclic structures with potential biological interest.

### Bibliometric data

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He is author of 145 publications, 21 PhD directions since 2000; 44 invited lectures; 30 oral presentations at conferences or schools; more than 90 participations in PhD defenses; 13 participations in habilitation defenses.

### Awards and Distinctions

- Visiting Professor on leave from the University of Florence (Italy) in May 1998 at the University Pierre et Marie Curie.
- Copernicus Visiting Scientist 2012-2013 (June) University of Ferrara (Italy)
- Guest professor 2013-2014 (Dec 2013) at Osaka Prefecture University, Osaka (Japan).

### Papers published since 2012

- Kammerer-Pentier, C.; Liron, F.; Prestat, G.; Poli, G.  
In *Top. Organomet. Chem.* 2012, 38, 1-64

"*Transition Metal Catalyzed Enantioselective Allylic Substitution in Organic Synthesis*" (Kazmaier Uli Editor), Springer-Verlag Berlin Heidelberg Publisher.

*Selectivity in Palladium Catalyzed Allylic Substitution*

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Pd-catalyzed Asymmetric Synthesis of *N*-Allenyl Amides and their Au-catalyzed Cycloisomerizative Hydroalkylation: a New Route Toward Enantioenriched Pyrrolidones  
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Wahl, B.; Mortreux, A.; Castanet, Y.; Sauthier, M.; Giboulot, S.; Liron, F.; Poli, G.  
Straightforward Synthesis of Allylated Ketoesters: The Palladium Catalysed Haloketone Methoxycarbonylation / Allylation Domino Reaction  
*Adv. Synth. Catal.* 2012, 354, 1077-1083  
DOI: [10.1002/adsc.201100848](https://doi.org/10.1002/adsc.201100848)

Kammerer-Pentier, C.; Díez Martínez, A.; Oble, J.; Prestat, G.; Merino, P.; Poli, G.  
Dual Reactivity of *O*- $\alpha$ -Allenyl Esters Under Palladium(0) Catalysis: From Carbopalladation / Allylic Alkylation Domino Sequence to Decarboxylative Allenylation  
*J. Organomet. Chem.* 2012, 714, 53-59.  
DOI: [10.1016/j.jorgchem.2012.03.014](https://doi.org/10.1016/j.jorgchem.2012.03.014)

Aversa, M.C.; Bonaccorsi, P.; Madec, D.; Prestat, G.; Poli, G.  
cost D40 book  
In *Innovative Catalysis in Organic Synthesis*, (Andersson P. G. Editor), Wiley-VCH Weinheim, 2012,  
Chapt. 3, pp 47-76  
*The Fabulous Destiny of Sulfenic Acids*  
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Broggini, G.; Fasana, A.; Borsini, E.; Poli, G.; Liron, F.  
Transition Metal-Catalyzed Hydroamination and Carboamination Reactions of Anthranyl Allenamides as a Route to 2-Vinyl- and 2-( $\alpha$ -Styryl)-quinazolin-4-one Derivatives  
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DOI: [10.1002/ejoc.201200353](https://doi.org/10.1002/ejoc.201200353)

Giboulot, S.; Liron, F.; Prestat, G.; Wahl, B.; Sauthier, M.; Castanet, Y.; Mortreux, A.; Poli, G.  
Pd-Catalyzed Domino Carbonylative / Decarboxylative Allylation: An Easy and Selective Monoallylation of Ketones  
*Chem. Commun.*, 2012, 48, 5889-5891  
DOI: [10.1039/C2CC32391E](https://doi.org/10.1039/C2CC32391E)

Wahl, B.; Bonin, H.; Mortreux, A.; Giboulot, S.; Liron, F.; Poli, G.; Sauthier, M.  
A General and Efficient Method for the Alkoxy carbonylation of  $\alpha$ -Chloroketones  
*Adv. Synth. Catal.* 2012, 354, 3105-3114  
DOI: [10.1002/adsc.201200378](https://doi.org/10.1002/adsc.201200378)

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Palladium-Catalyzed Arylic/Allylic Aminations: Permutable Domino Sequences for the Synthesis of Dihydroquinolines from Morita-Baylis-Hillman Adducts  
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DOI: [10.1021/ol401234v](https://doi.org/10.1021/ol401234v)

Lorion, M. M.; Matt, B.; Alves, S.; Proust, A.; Poli, G.; Oble, J.; Izzet, G.  
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*J. Sulfur Chem.* **2014**, *35*, 128-136  
DOI: [10.1080/17415993.2013.809453](https://doi.org/10.1080/17415993.2013.809453)
- Rajabi, J.; Lorion, M. M.; Ly, V. L.; Liron, F.; Oble, J.; Prestat, G.; Poli, G.  
Dormant vs Evolving Aminopalladated Intermediates: Toward a Unified Mechanistic Scenario in Pd(II)-Catalyzed Aminations  
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- Rigamonti, M.; Prestat, G.; Broggini, G.; Poli, G.  
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