

<i>Personal Data</i>			
<i>Surname</i>	<i>Name</i>	<i>Organization and Position</i>	<i>Date of birth</i>
Zanoni	Giuseppe	Department of Chemistry, University of Pavia Associate professor in Organic Chemistry	08 December 1966
<i>Education and training</i>			
<p>1997 Combinatorial chemistry course (Irori technology, HTS synthesis and analysis) at SmithKline Beecham, New Frontier Science Park (Harlow - UK).</p> <p>1996 Ph.D. degree, with Honors, from University of Pavia after conducting research in Prof Giovanni Vidari (University of Pavia) and Prof. Barry M. Trost's (Stanford University, USA) laboratories.</p> <p>1992 Degree in Chemistry at University of Pavia with an experimental thesis dealing with a new way for prostanoid synthesis. Chairman Prof. G. Vidari. Evaluation 110/110 e Lode, summa cum laude.</p>			
<i>Professional experience</i>			
<p>2010-pres. Associate Professor at Chemistry Department, University of Pavia.</p> <p>2011-2015. Prof. Zanoni became a member of the Board of Directors of San Matteo general hospital.</p> <p>1998-2010 Assistant professor at Organic Chemistry Department, University of Pavia.</p> <p>1996-1998 Researcher in combinatorial chemistry field at New Frontier Science Park, SmithKline Beecham, Harlow, UK.</p> <p>International experience</p> <p>In 1996 and 1997 he was employed at the state of the art research center of SmithKline Beecham in Harlow working on a ORL-1 antagonist library.</p> <p>From 1994 to 1995 he was a short term visiting research scholar in the laboratory of Professor Barry Trost, Department of Chemistry, Stanford University, San Francisco, (California, USA).</p> <p>Research interests and skills</p> <p>Prof. Giuseppe Zanoni works in the field of natural organic compounds, organometallic chemistry, asymmetric synthesis and asymmetric catalysis. In this context, he developed the first known example of catalytic asymmetric addition to aldehydes of π-allyl-Palladium-complexes via umpolung (Angew. Chem, Int. Ed., 2004, 846). Scientific interests were expanded to phosphorous, gold and silver chemistry, NHC mediated asymmetric reaction and C-H activation processes. Precision medicine (BNCT) and novel PET probes, were also fields of interest. Prof. Zanoni has been also consultant of several companies operating in the field of synthetic organic chemistry. Noteworthy, PA Aromatics (Pavia), Flamma Innovation (Chignolo di'Isola - BG), Nerviano Medical Science (Nerviano - MI), Aptenia S.r.l, VZ Technology (Brescia), Sifavitor (Casaletto Lodigiano - LO) and Recipharm (Masate - MI). Some of these consultant activities were patented: Process for the preparation of prostaglandin derivatives (US2012/0016136) and Metallocene compounds and labeled molecules comprising the same for in vivo imaging (WO 2014/13559). In addition, Prof. Zanoni has been a scientific tutor in Regione Lombardia's Ingenio and Lombardia Eccellente projects.</p> <p>Teaching experience</p> <p>Professor of Advanced Biocatalysis and Advanced Organic Laboratory (Laurea Magistrale - Chemistry courses) at the University of Pavia.</p> <p>Awards</p> <p>In 2010 Prof. Giuseppe Zanoni received "Bracco Prize" for young researcher: Italian Chemical Society.</p> <p>Scientific cooperation</p> <p>Prof. Giuseppe Zanoni established few fruitful cooperation with some distinguished international chemists such as, Prof. Lutz Ackermann (Göttingen University), Prof. Liming Zhang (California University - Santa Barbara Campus - USA), Prof. Robin Chi (Nanyang Technological University - Singapore), Prof. Debabrata Maiti (Indian Institute of Technology Bombay - India), Prof. Jan Weigand (Technische Universität Dresden) and Prof. James Gleason (McGill University - Montreal Canada).</p>			
<i>Scientific Publications and Congress or other Oral Communications</i>			
<p><i>Number of papers, 92 - Patents 6, patent applications, 7 - H-index (Scopus), 22 - Total citations, 2137.</i></p> <p>1) X. Huang, T. Zhu, Z. Huang, Y. Zhang, Z. Jin, G. Zanoni, R. Y. Chi, "Carbene-Catalyzed Formal [5 + 5] Reaction for Coumarin Construction and Total Synthesis of Defucogilvocarcins", <i>Org. Lett.</i> 2017, <i>19</i>, 6188-6191; doi:10.1021/acs.orglett.7b03102.</p> <p>2) K. Seth, M. Bera, M. Brochetta, S. Agasti, A. Das, A. Gandini, A. Porta, G. Zanoni, D. Maiti, Debabrata "Incorporating Unbiased, Unactivated Aliphatic Alkenes in Pd(II)-Catalyzed Olefination of Benzyl Phosphoramidate", <i>ACS Catal.</i> 2017, <i>7</i>, 7732-7736; doi:10.1021/acscatal.7b02394.</p> <p>3) Z. Ruan, D. Ghorai, G. Zanoni, L. Ackermann, "Nickel-catalyzed C-H activation of purine bases with alkyl halides", <i>Chem. Commun.</i> 2017, 9113-9116; doi:10.1039/c7cc05011a.</p> <p>4) Z. Wang, C. Nicolini, C. Hervieu, Y.-F. Wong, G. Zanoni, L. Zhang, "Remote Cooperative Group Strategy Enables Ligands for Accelerative Asymmetric Gold Catalysis", <i>J. Am. Chem. Soc.</i> 2017, <i>139</i>, 16064-16067; doi:10.1021/jacs.7b09136.</p>			

5) D. Ghorai, V. Müller, H. Keil, D. Stalke, G. Zanoni, B. A. Tkachenko, P. R. Schreiner, L. Ackermann, "Secondary Phosphine Oxide Preligands for Palladium-Catalyzed C-H (Hetero)Arylations: Efficient Access to Pybox Ligands", *Adv. Synth. Catal.* **2017**, *359*, 3137-3141; doi:10.1002/adsc.201700663.

Grants

- Scientific Coordinator of a Grant by Regione Lombardia - project Lombardia Eccellente: "Cluster di eccellenza per le sinergie tra produzione agroalimentare e ricerca medico-scientifica" - 2011-2013 - budget: € 1.400.000;
- Unit coordinator of a Project financed by Regione Lombardia - Cariplo Foundation "Sottomisura A - attrattività eccellenze" - 2015-2018 - € 302.000.
- Unit coordinator of a Project financed by Regione Lombardia - Cariplo Foundation "Sottomisura B - rafforzamento giovani ricercatori" - 2016-2017 - € 98.000.
- Unit Coordinator of a Grant by Regione Lombardia, project VIPCAT: Value Added Innovative Protocols for Catalytic Transformations (Accordo per la ricerca e l'innovazione) - 2016-2019 - budget: € 3.072.638; € 484.930,87 for University team.
- Scientific Coordinator of a Grant by Regione Lombardia - DG Sanità "Progetto ricerca indipendente Neuromarks" - 2012-2013 - budget € 240.000; € 200.000 for University team.
- Scientific Coordinator of a Grant by Regione Lombardia - DG Ricerca e Innovazione Tecnologica "Dispositivo azioni di sistema per il miglioramento delle risorse umane nel settore della ricerca e sviluppo tecnologico Misura D4". Project title: I neuroprostani come possibili marker molecolari di gravi patologie neurodegenerative - 2005-2007 - budget € 499.995; € 220.000 for University team.
- Scientific Coordinator of a Grant by Fondazione Piacenza e Vigevano - Project title "Sviluppo di nuovi biomarkers per gravi patologie neurodegenerative: il morbo di Parkinson" - 2008 - 2011 - budget € 380.000.