

## MARCO BANDINI

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<b>Date of Birth</b>	July 10 <sup>th</sup> 1973	
<b>Professional</b>		
11/2000-12/2011	Assistant Professor @ Alma Mater Studiorum – University of Bologna	
1/2012-03/2019	Associate Professor @ Alma Mater Studiorum – University of Bologna	
04/2019 -	Full Professor Organic Chemistry @ Alma Mater Studiorum – University of Bologna	
<b>Education</b>		
10/1992-9/1997	<b>UNIBO, Italy</b>	M.Chem. ( <i>cum laude</i> ), Final-year project: "Synthesis of new bis-oxazoline ligands and their use in asymmetric C-C bond forming reactions" Advisor: <b>Prof. Achille Umani-Ronchi</b> .
10/1997-12/1997		Recordati spa (Milan).
1998-2000	<b>UNIBO, Italy</b>	PhD in Chemistry, "Asymmetric reactions promoted by chiral catalysts" Advisors: <b>Prof. Pier Giorgio Cozzi</b> and <b>Prof. Achille Umani-Ronchi</b> .
6/1998-9/1998	<b>University of North Carolina @ Chapel Hill</b>	Visiting researcher: "Synthesis of chiral ferrocenyl ligands for asymmetric synthesis" Advisor: <b>Prof. Michael R. Gagné</b> .
6/2004-10/2004	<b>Center of Clean Technology, University of York</b>	Visiting researcher: "New heterogeneous Pd-catalysts for sustainable cross-coupling reactions" Advisors: <b>Prof. James Clark/Dr. Duncan Macquarrie</b> .
<b>Publication summary</b>	122 articles – 88 independent (12 AngewChem, 2 JACS, 1 ChemSci, 9 ChemCommun), 14 book chapters, 2 patents.	
<b>Brief track record</b> (Scopus)	H-index = 47, Citations: 7860.	
<b>Research summary</b>	1) Development on metal and metal-free catalytic systems in asymmetric synthesis. 2) Design, synthesis and characterization of chiral Ir-based triplet emitters. 3) Synthesis and biological activity assessment of anti-cancer metal-complexes based on gold.	
<b>Five selected publications</b>	<ol style="list-style-type: none"> <li>1. "Au(I)-assisted alpha Allylation of Enals and Enones with Alcohols", M. M. Mastandrea, N. Mellonei, P. Giacinto, A. Collado, S. P. Nolan, G. P. Miscione, A. Bottoni, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2015</b>, <i>54</i>, 14885-14889;</li> <li>2. "Metal-free enantioselective electrophilic activation of allenamides: stereoselective de-aromatization of indoles", C. Romano, M. Jia, M. Monari, E. Manoni, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2014</b>, <i>53</i>, 13854-13857;</li> <li>3. "Merging Synthesis and Enantioselective Functionalization of Indoles via Gold-catalyzed Asymmetric Cascade Reaction", M. Chiarucci, R. Mocchi, L.-D. Syntrivanis, G. Cera, A. Mazzanti, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2013</b>, <i>52</i>, 10850-10853;</li> <li>4. "De Novo Gold-Catalyzed one-pot Synthesis of Azepino[1,2-<i>a</i>]indoles", G. Cera, S. Piscitelli, M. Chiarucci, G. Fabrizi, A. Goggiamani, R. S. Ramón, S. P. Nolan, M. Bandini, <i>Angew. Chem. Int. Ed.</i> <b>2012</b>, <i>51</i>, 9891-9895 [<b>HOT ARTICLE</b>];</li> <li>5. "Enantioselective gold-catalyzed allylic alkylation of indoles with alcohols: efficient route to functionalized tetrahydrocarbazoles", M. Bandini, A. Eichholzer, <i>Angew. Chem. Int. Ed.</i> <b>2009</b>, <i>48</i>, 9533-9537 [<b>VIP ARTICLE</b>].</li> </ol>	
<b>Awards and Major Funding</b>	<ul style="list-style-type: none"> <li>• <b>1998</b> Recordati spa (Milan) Fellow.</li> <li>• <b>2002</b> Co.Gi.C.O. Junior Award, Italian Chemical Society.</li> <li>• <b>2004</b> Marco Polo Fellow, University of Bologna, Italy.</li> <li>• <b>2005</b> "G. Ciamician" Medal, Italian Chemical Society.</li> <li>• <b>2005</b> JSP Fellowship of the "40<sup>th</sup> EUCHEM Conference of Stereochemistry ("Bürgenstock-Conference").</li> <li>• <b>2009(2012)</b> <i>Visiting Fellow</i>, National Science Foundation of China.</li> <li>• <b>2010</b> National Coordinator Project Future in Research (550.000 €)</li> <li>• <b>2016</b> <i>Visiting Fellow</i>, University of Normandy (France)</li> <li>• <b>2019</b> National Coordinator Project PRIN (350.000 €)</li> <li>• <b>2019</b> JSPS fellowship for Research in Japan</li> </ul>	
<b>Invited talks</b>	More than 60 Invited lectures @ universities, industry and conferences	
<b>Mentorship (2008 on)</b>	Supervised/supervising 21 Master (Erasmus) students 10 PhD students and 2 postdoctoral researchers	