



ALMA MATER STUDIORUM • UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI CHIMICA G. CIAMICIAN
Via F. Selmi 2 - 40126 Bologna – ITALY

Alle ore 15.30 del giorno Lunedì 7 Ottobre 2019

presso Aula III

del Dipartimento di Chimica "G. Ciamician"

il Prof. Xavier Bugaut



Aix Marseille Université

terrà il seminario dal titolo:

Original Stereochemical Scenarios for Selective Organocatalysis

Tutti gli interessati sono invitati ad intervenire

per informazioni

Prof. Marco Bandini

Il Direttore

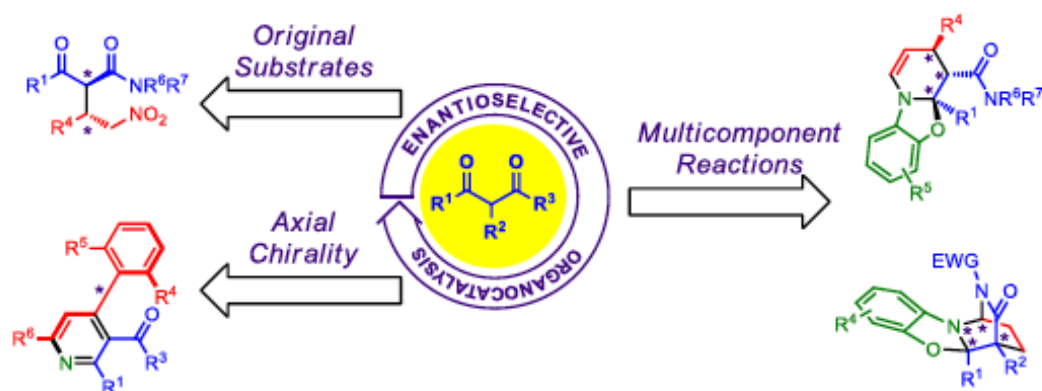
Prof. Francesco Paolucci

Original Stereochemical Scenarios for Selective Organocatalysis

Dr. Xavier Bugaut

Institut des Sciences Moléculaires de Marseille
Aix Marseille Université, Campus Scientifique St Jérôme
13397 Marseille cedex 20, France

Over the past years, our group has devoted efforts towards the development of new applications of enantioselective organocatalytic Michael additions with β -dicarbonyl substrates. The results obtained following three different research directions will be discussed: (i) the preparation and use of original substrates such as β -ketoamides;^[1] (ii) the high synthetic potential of multicomponent reactions to assemble enantioenriched polyheterocyclic products;^[3] (iii) the preparation of 4-arylpyridine atropisomers through a conversion of chirality strategy.^[4]



Literature:

- [1] H. Du, J. Rodriguez, X. Bugaut, T. Constantieux, *Chem. Eur. J.* **2014**, *20*, 8458-8466.
[2] (a) M. M. Sanchez Duque, O. Baslé, Y. Génisson, J.-C. Plaquevent, X. Bugaut, T. Constantieux, J. Rodriguez, *Angew. Chem. Int. Ed.* **2013**, *52*, 14143-14146. (b) H. Du, J. Rodriguez, X. Bugaut, T. Constantieux, *Adv. Synth. Catal.* **2014**, *356*, 851-856. (c) Y. Dudognon, H. Du, J. Rodriguez, X. Bugaut, T. Constantieux, *Chem. Commun.* **2015**, *51*, 1980-1982. (d) H. Du, Y. Dudognon, M. M. Sanchez Duque, S. Gouedranche, D. Bonne, J. Rodriguez, X. Bugaut, T. Constantieux, *Synthesis*, **2016**, *48*, 3479-3503 (invited feature article).
[3] O. Quinero, M. Jean, N. Vanthuyne, C. Roussel, D. Bonne, T. Constantieux, C. Bressy, X. Bugaut, J. Rodriguez, *Angew. Chem. Int. Ed.* **2016**, *55*, 1401-1405.