

AVVISO DI SEMINARIO

Il giorno 9 ottobre 2019 alle ore 15:00

nell'Aula Seminari del Dipartimento di
Scienze e Tecnologie Chimiche

il Prof. Xavier Bugaut

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terrà un seminario dal titolo:

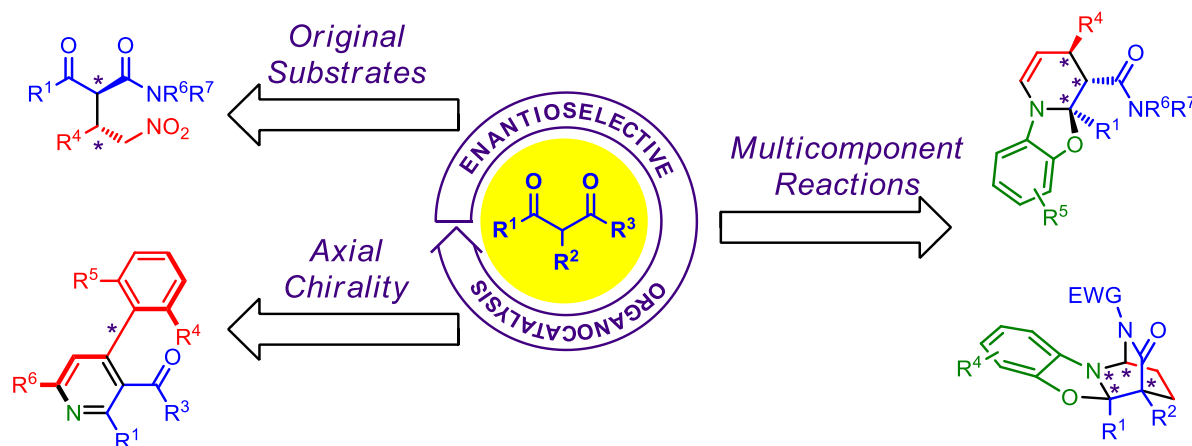
**Original Stereochemical Scenarios for Selective
Organocatalysis**

Proponente: Dott. Riccardo Salvio

Original Stereochemical Scenarios for Selective Organocatalysis

Dr. Xavier Bugaut

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 -ketoaldehydes^[1] and β -ketoamides;^[2] (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] Y. Dudognon, M. Presset, J. Rodriguez, Y. Coquerel, X. Bugaut, T. Constantieux, *Chem. Commun.* **2016**, 52, 3010-3013.
- [2] H. Du, J. Rodriguez, X. Bugaut, T. Constantieux, *Chem. Eur. J.* **2014**, 20, 8458-8466.
- [3] (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*).
- [4] O. Quinonero, M. Jean, N. Vanthuyne, C. Roussel, D. Bonne, T. Constantieux, C. Bressy, X. Bugaut, J. Rodriguez, *Angew Chem Int Ed*, **2016**, 55, 1401-1405.