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presso l'aula H del Dipartimento di Scienze Chimiche

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terrà il seminario:

New Developments in Bismuth and Iron Catalysis for Asymmetric Synthesis

Various Lewis acids have been developed as green catalysts for asymmetric synthesis. Chiral metal complexes derived from iron, copper, and bismuth salts have been employed in selected asymmetric C–C, C–Si, C–N, and C–S bond-forming reactions, such as the Mukaiyama aldol, epoxide opening, Michael and Diels-Alder reactions.¹ Enantioselective oxidation catalysts will also be presented.² As part of our ongoing interest in the development of greener reaction conditions, we report alternate reaction solvent systems. These results will contribute to the development of green acid catalysis for asymmetric synthesis.

1. (a) Li, M.; Carreras, V.; Jalba, A.; Ollevier, T. *Org. Lett.* **2018**, *20*, 995–998. (b) Lauzon, S.; Keipour, H.; Gandon, V.; Ollevier, T. *Org. Lett.* **2017**, *19*, 6324–6327. (c) Ollevier, T.; Plancq, B. *Chem. Commun.* **2012**, *48*, 2289–2291.
2. Jalba, A.; Régnier, N.; Ollevier, T. *Eur. J. Org. Chem.* **2017**, 1628–1637.

La presenza della S. V. sarà molto gradita

Prof. Michele Maggini
Direttore Dipartimento Scienze Chimiche

Prof. Giulia Licini