

Mercoledì 29 Gennaio 2020

alle ore 15.00

presso Aula 1 (Marconi) dell'Edificio F
Area della Ricerca CNR di Sesto Fiorentino
Via Madonna del Piano 10, Sesto Fiorentino

il **Prof. Thierry Ollevier**

Université Laval, Département de Chimie
Canada

terrà il seguente seminario:

"Recent Progress in Green Lewis Acid Catalysis for Organic
Synthesis"

Si invitano tutti gli interessati a partecipare.

Short Abstract:

Recent Progress in Green Lewis Acid Catalysis for Organic 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.

Biographic sketch:

Thierry OLLEVIER

Since 2010- Full Professor

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Prizes and honors

- Fellow of the Royal Society of Chemistry (UK) (2016–).
- “Professor of the Month” awarded by Silicycle, Québec, February 2014.
- “Best Young Presenter Prize” awarded by the Australian Journal of Chemistry at the Eurasia12 meeting, Corfu, April 2012.
- Professeur étoile (Teaching prize based on the students’ evaluations, Faculté des sciences et de génie, Université Laval, 2018, 2017, 2014, 2013, 2011, 2010, 2004).
- Highlighted articles: *Synfacts* (7), *ChemInform* (14), journal covers (6).
- Member of the Commission de terminologie et de néologie de la chimie et des matériaux (Ministère de l’Économie, des Finances et de l’Industrie, Paris) (2010–).
- Prix Stas (Prize from the Belgian Royal Academy, 1997).

Publications and Conferences on Invitation

- 89 Publications (64 research articles, 23 encyclopedia articles, 2 conference proceedings)
- 1 Edited book, 3 book chapters, 1 patent
- 1810 Citations, h factor = 25 (Web of Science, 5 January 2020)
- 88 Conferences on invitation (scientific meetings: 18, univ. & industr. conf.: 70)

