



# A new twist on two classic reactions: the hydroboration and Mitsunobu reactions

## Prof André Charette

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Geneva Chemical Society in collaboration with dms-firmenich hosts the conference of Prof André Charette from the University of Montréal. In this presentation, two classic organic reactions will be revisited.

A formal regio- and stereoselective hydroboration of cyclopropane derivatives has been developed to access novel scaffolds as potentially useful new pharmacophores. The success of this transformation is based on the use of amine-borane complexes, which can be activated with Brønsted acids. DFT calculations will be presented to support the proposed mechanism of this transformation.

In the second part of the presentation, a new twist on the Mitsunobu reaction will be discussed to expand the scope of nucleophiles that can be used.

Finally, the development of a continuous flow procedure to access hazardous reagents will be presented.

**Conférence présentée le**

**MERCREDI 25 SEPTEMBRE 2024 à 17h30**

**Université de Genève – Bâtiment Science III**

**Auditoire 1S081**

**30 quai Ernest-Ansermet Genève**

***La conférence est publique***

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