

Seminario

Università degli Studi di Padova
Dipartimento di Scienze Chimiche

Ciclo di Seminari 'Frontiers in Chemistry'

Prof. Josep Cornella

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***Reagent, Ligand and Catalyst Design:
A Three-fold Approach for Organic Synthesis***

Giovedì 16 Dicembre 2021, ore 14:30

Aula I

The main goal of our research group is to provide efficient, robust and sustainable methodologies for organic synthesis. To this end, our group has established a three-fold approach based on 1) the development of new organic reagents that enable practical and facile organic chemistry by streamlining synthetic routes; 2) the design of ligands that turn air-sensitive transition metals to robust complexes with remarkable stability toward oxidation and temperature; 3) the design of p-block elements, in particular bismuth (Bi), with the aim of designing novel catalytic redox processes akin to transition metals. We believe that this 3-fold approach is key to unlock new reactivity while allowing the discovery of fundamentally novel and unknown areas in chemistry. This talk will highlight the contributions of our group in these endeavours and will provide an overview of the recent developments.

La presenza della S. V. sarà molto gradita.

Prof. Michele Maggini
*Direttore del Dipartimento
di Scienze Chimiche*



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