Seminario

Università degli Studi di Padova
Dipartimento di Scienze Chimiche
Ciclo di Seminari “Frontiers in Chemistry”

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Transition metal reactivity under ligand control

Mercoledì, 22 Novembre 2017, ore 16.30
Aula A “Nasini”, Dipartimento di Scienze Chimiche
Via Loredan, 6 – Padova

Abstract:

Over the last few years, our group has been developing new polyfunctional ligands for transition metals. We are interested in original metal / ligand interactions, in new reactivity patterns and in catalytic applications.

This presentation will summarize our last results in three different projects:

- Ambiphilic ligands: coordination of Lewis acids as sigma-acceptor ligands and transition metal / Lewis acid cooperation,
- Gold complexes: from transition metal reactivities to new catalytic applications,
- Palladium pincer complexes: from unusual indenediide coordination to cooperative catalysis.

In all cases, special attention has been paid to the role of the ligand and mechanistic investigations have been carried out. These studies combining experiment and theory will be presented.

La presenza della S. V. sarà molto gradita.

Prof. Andrea Bifis
Dipartimento di Scienze Chimiche

Prof. Michele Maggini
Direttore del Dipartimento di Scienze Chimiche