

**UCO lecture on Wednesday, November 6<sup>th</sup> at 5.00 pm**  
**(UNamur, Chemistry building, 2<sup>nd</sup> floor, room CH22)**



*“Non-innocent Bifunctional Ligands for New Avenues in Palladium and Gold Chemistry”*

**Dr. Didier Bourissou**

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Over the last few years, the group of Dr. Didier Bourissou has been developing new polyfunctional ligands for transition metals with original coordination modes (such as the coordination of Lewis acids as acceptor ligands) and metal / ligand cooperativity, as well as new reactivity patterns. The following projects will be discussed in this lecture:

- The in-plane coordination of cyclopentadienyl-type rings, which opens the way for cooperative catalysis,
- Phosphine-borane ambiphilic ligands and cooperativity between Pd / Au and borane moieties,
- The design of suitable ligands to impart transition metal reactivity to gold and achieve 2e redox catalysis.

