

**Catalisi Organometallica selettiva:
sistemi e metodologie avanzate**
Dottorato in Scienze Chimiche o Chimica Industriale

**Selective Organometallic Catalysis:
systems and advanced techniques**
PhD-in Chemical Sciences or Industrial Chemistry

(this course will be offered in English)

This course will cover selected topics in modern homogeneous catalysis research:

- Redox-active and chemically reactive ligands
- Metallation, C-H activation and C-C bond formation
- Organogold catalysis
- Catalysis by "Frustrated Lewis Pairs"
- Pincer type ligands
- Electrocatalysis (maybe)

The material is based on recent research literature.

Near the end of the course, students are expected to present a recent paper (usually an *Angewandte Chemie* communication or similar) to the class.

If you are interested, please email Peter Budzelaar (p.budzelaar@unina.it).