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CONFÉRENCE CCVC



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N,O-CHELATED EARLY TRANSITION METALS IN CATALYSIS. NEW APPROACHES FOR THE SYNTHESIS OF ORGANIC SMALL MOLECULES AND FUNCTIONAL MATERIALS

MERCREDI 5 DÉCEMBRE 2012
Salle **G-715**, Pavillon Roger-Gaudry
11 h 30

Résumé: Amidate, ureate and pyridonate ligands are *N,O*-chelates ideally suited for complexing hard metal centers, such as Ti, Zr and Ta. Importantly, these hemi-labile ligands have been shown to promote unique reactivity in hydroamination, hydroaminoalkylation and ring-opening polymerization. Recent advances in the development of more reactive and broadly applicable catalytic methods for selective amine and *N*-heterocycle synthesis will be presented. Extension of the application of this family of complexes toward the synthesis of biodegradable co-polymers as new materials with potential applications in drug delivery will also be discussed.

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