



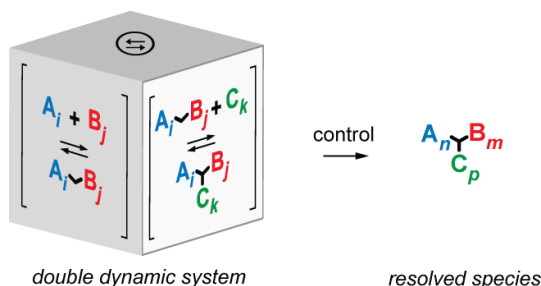
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### Supramolecular Control in Synthesis and Discovery Processes



Control is a key feature in synthetic chemistry, and selectivity at different levels of influence is of highest importance when designing new reaction routes. Of special interest in this context is reaction control exerted through selective interactions between the reactants/reagents, an effect that may be regarded as supramolecular control. In addition, at a higher level of complexity, this type of control can be used to resolve dynamic systems in various discovery processes. Such dynamic systems can in turn be generated from both molecular and supramolecular interactions, resulting in systems of continuously interchanging constituents. In this presentation, aspects of supramolecular control and control of dynamic systems will be discussed, and examples in substrate identification and asymmetric synthesis given.



**Le mercredi 4 novembre 2009**  
Salle M-415, Pavillon Roger Gaudry  
**11 h 30**

Le Département de chimie organise annuellement plusieurs séries de conférences et séminaires et tient à remercier particulièrement ses commanditaires qui rendent ces programmes possibles : **Achaogen, Agilent, AstraZeneca, Boehringer Ingelheim, Centre de recherche sur les matériaux auto-assemblés du FQRNT, Eisai, Fondation Barré, IUPAC-Macro '90, MethylGene, Merck Frosst, ThermoFisher**. Les conférenciers prestigieux invités, dans le cadre des grandes conférences, offrent à la communauté scientifique de Montréal les meilleures présentations dans les différents domaines de pointe de la chimie.