



# Atelier FONCER SFC

21 mai 2015 10h30  
Université de Montréal  
Roger-Gaudry - P318  
La conférence sera présentée en anglais

## Flow Chemistry Enabling Safer and Novel Chemistry



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Flow reactors are being used to enable chemists to perform novel chemistry, tackle traditionally dangerous chemistry, rapidly optimize conditions, and all by an inherently scalable method. Flow reactions involving packed fixed bed catalysts enhances mass transfer, decreases reaction time, and eliminates catalyst handling and filtration. Hydrogenations are the most published and adopted fixed bed flow chemistry, though other heterogeneous chemistry such as carbonylations, oxidations, and carbon-carbon couplings are well demonstrated. Ozonolysis, diazomethane, azide synthesis, lithiation, swern oxidation, and fluorination results are discussed.

