



# CREATE SFC Workshop

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Université de Montréal  
Roger Gaudry Building - P-318

## Flow Chemistry Enabling Safer and Novel Chemistry



Heather Graehl  
Director of Sales, North America  
ThalesNano Inc.



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.

