



**Green Chemistry and Catalysis Seminar: Sophie Rousseaux - New Strategies for the Synthesis of Small Rings and Nitrile Derivatives**

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**Wednesday, January 2023 11:00 am to 12: 30 pm** – Université de Montréal, MIL campus, Pavillon

A, **room: A.2543**

Seminar will be in person, but can be accessed virtually

***Biography:***

Sophie Rousseaux obtained a B.Sc. in Biopharmaceutical Sciences – Medicinal Chemistry from the University of Ottawa, Canada, in 2007. As an undergraduate student, she worked with Prof. Keith Fagnou on the direct arylation of pyridine *N*-oxides and decarboxylative ketone aldol reactions. She remained in the Fagnou group for the start of her graduate studies, working on Pd-catalyzed aliphatic C–H bond functionalization reactions. In 2010, she moved to MIT to complete her graduate research with Prof. Stephen L. Buchwald, working on Pd-catalyzed dearomatization reactions. In 2012, she moved to the University of Oxford to work with Prof. Harry L. Anderson on the self-assembly of porphyrin nanorings as an NSERC postdoctoral fellow and Glasstone Research Fellow. During her time at Oxford, Sophie also held a Junior Research Fellow at St John's College (2012–2015) and was a Stipendiary Lecturer in Organic Chemistry at Jesus College (2014). In July 2015, Sophie returned to Canada to join the Department of Chemistry at the University of Toronto as an Assistant Professor, where she was promoted to Associate Professor in July 2022. She holds a Canada Research Chair (Tier 2) in Organic Chemistry since 2016. Her group's research interests include organic synthesis, catalysis, and organometallic chemistry, with a particular focus on the synthesis of small rings and nitrile-containing molecules. Selected recent awards include the McLean Award (2022), the University of Toronto School of Graduate Studies Early Career Supervision Award (2022), the Organic



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Letters Outstanding Publication of the Year Lectureship (2022), a Sloan Research Fellowship (2021), an Ontario Early Researcher Award (2021), and the Dorothy Shoichet Women Faculty Science Award of Excellence (2020).

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