

Sophie A. L. Rousseaux – Curriculum Vitae

DEGREES

- Ph.D. in Chemistry, University of Ottawa, 2012
Thesis title: *Palladium-Catalyzed C(sp²)-C(sp³) Bond Formation*
Advisor: Keith Fagnou
- B.Sc. in Biopharmaceutical Science, Medicinal Chemistry, University of Ottawa, 2007

EMPLOYMENT

- Assistant Professor, Department of Chemistry, University of Toronto 2015–present
Postdoctoral Fellow, Department of Chemistry, University of Oxford 2012–2015
Advisor: Harry L. Anderson
Stipendiary Lecturer in Organic Chemistry, Jesus College, University of Oxford 2014

SELECTED RECENT HONOURS

- CNC-IUPAC Travel Award 2018
Canada Research Chair in Organic Chemistry – Tier 2 2016–2021
Thieme Chemistry Journal Awardee 2016
Violette and Samuel Glasstone Research Fellowship in Science 2012–2015
St John's College Junior Research Fellowship 2012–2015
NSERC Postdoctoral Fellowship 2012–2015
Boehringer Ingelheim Graduate Research Award of Excellence in Organic and Bio-organic Chemistry 2011

PUBLICATIONS (*Independent Career at the University of Toronto*)

8. Mills, L. R.; Rousseaux, S. A. L.;* "A One-Pot Electrophilic Cyanation–Functionalization Strategy for the Synthesis of Disubstituted Malononitriles" *Submitted*.
7. Alazet, S.; West, M. S.; Patel, P.; Rousseaux, S. A. L.;* "Synthesis of Nitrile-Bearing Quaternary Centers via an Equilibrium-Driven Transnitration and Anion-Relay Strategy" *Submitted*. (*Chem Rxiv preprint*, doi: 10.26434.chemrxiv.7834940.v1)
6. Obhi, N. K.; Mallov, I.; Borduas, N.; Rousseaux, S. A. L.;* Dicks, A. P.* "Comparing Industrial Amination Reactions in a Combined Class and Laboratory Green Chemistry Assignment" *J. Chem. Ed.* **2019**, *96*, 93-99.
5. Mills, L. R.; Rousseaux, S. A. L.* "Modern Developments in the Chemistry of Homo-enolates" *Eur. J. Org. Chem.* **2019**, 8-26.
4. Michel, N. W. M.; Jeanneret, A.; Kim, H.; Rousseaux, S. A. L.* "Nickel-Catalyzed Cyanation of Benzylic and Allylic Pivalate Esters" *J. Org. Chem.* **2018**, *83*, 11860-11872.
3. Mills, L. R.; Rousseaux, S. A. L.* "Electrophilic Metal Homo-enolates and Their Application in the Synthesis of Cyclopropylamines" *Synlett* **2018**, *29*, 683-688.
2. Ren, Y.; Rousseaux, S. A. L.* "Metal-Free Synthesis of Unsymmetrical Ureas and Carbamates from CO₂ and Amines via Isocyanate Intermediates" *J. Org. Chem.* **2018**, *83*, 913-920.
1. Mills, L. R.; Barrera-Arbelaez, L. M.; Rousseaux, S. A. L.* "Electrophilic Zinc Homo-enolates: Synthesis of Cyclopropylamines from Cyclopropanols and Amines" *J. Am. Chem. Soc.* **2017**, *139*, 11357-11360.

SELECTED INVITED LECTURES

- Western University, London, Canada, Marc 2019.
York University, Toronto, Canada, February 2019.
18th Florida Heterocyclic and Synthetic Chemistry (FloHet) Conference, Gainesville, FL, USA, March 2018.
Université de Sherbrooke, Sherbrooke, Canada, July 2017.
University of Heidelberg, Heidelberg, Germany, June 2017.
Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany, June 2017.
University of Stuttgart, Stuttgart, Germany, June 2017.
Women in Chemistry Symposium, University of Münster, Münster, Germany, June 2017.
Ryerson University, Toronto, Canada, November 2016.
Cape Breton University, Sydney, Canada, October 2016.