

Lilliana S. Morris

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ACADEMIC APPOINTMENTS

Assistant Professor, *The College of Wooster*, 2019 – present (Wooster, OH)

EDUCATION

Cornell University 2014-2019 (Ithaca, NY)

Ph.D. in Chemistry

Dissertation: “Design and Synthesis of Bimetallic Catalysts and Chain Transfer Agents for the Polymerization of Epoxides”

Advisor: Professor Geoffrey W. Coates

Williams College 2010-2014 (Williamstown, MA)

Bachelors of Arts in Chemistry and Mathematics, *cum laude*

Advisors: Professor Christopher Goh and Professor Thomas Garrity

HONORS AND AWARDS

- Simon Bauer Scholarship Award, 2018, *Cornell University*
- Bayer Teaching Excellence Award, 2015, *Cornell University*
- ACS Award in Inorganic Chemistry, 2014, *Williams College*
- Graduating senior: Honors, 2014, *Williams College*
- Class of 1960's Scholar, 2013-2014, *Williams College*
- Frank C. Goodrich 1945 Award for Excellence in Undergraduate Research, 2013, *Williams College*

PEER REVIEWED PUBLICATIONS

1. N. E. Clayman,* **L. S. Morris**,* A. M. LaPointe, I. Keresztes, R. M. Waymouth, G. W. Coates. Dual Catalysis for the Copolymerisation of Epoxides and Lactones, *Chem. Commun.* **2019**, 55, 6914 – 6917.
2. **L. S. Morris**, M. I. Childers, G. W. Coates. Bimetallic Chromium Catalysts with Chain Transfer Agents: A Route to Isotactic Poly(propylene oxide)s with Narrow Dispersities, *Angew. Chem. Int. Ed.* **2018**, 57, 5731 – 5734.
3. M. I. Childers, A. K. Vitek, **L. S. Morris**, P. W. Widger, S. Ahmed, P. M. Zimmerman, G. W. Coates. Isospecific, Chain Shuttling Polymerization of Propylene Oxide using a Bimetallic Chromium Catalyst: A New Route to Semicrystalline Polyols, *J. Am. Chem. Soc.* **2017**, 139, 11048 – 11054.
4. **L. S. Morris**, M. P. Girouard, M. H. Everhart, W. E. McClain, J. A. van Paridon, R. D. Pike, C. Goh. Epoxidation of Alkenes Bearing a Carboxylic Acid Group by Iron Complexes of the Tetradentate Ligand N, N'-dimethyl-N,N' bis (2-pyridylmethyl)-1,2-diaminoethane and its Derivatives. *Inorganica Chimica Acta*, **2014**, 413, 149 – 159.
5. C. Goh, **L. S. Morris**, M. P. Girouard, T. Chidanguro, J. P. Jasinski. (2S*,5R*)-2,5-Dimethyl-1,4-bis(pyridin-2-ylmethyl)piperazine. *Acta Crystallogr., Sect. E: Struct. Rep. Online* **2013**, 69, o1101.

*these authors contributed equally to this publication

PRESENTATIONS

- “Bimetallic Catalysts and Chain Transfer Agents for Stereoselective Epoxide Polymerization” 2019, Cornell Graduate and Postdoctoral Seminar Series (Ithaca, NY) [lecture]
- “Bimetallic Catalysts and Chain Shuttling Agents: Controlled Access to Isotactic Poly (propylene oxide)” 2019, Williams College (Williamstown, MA) [lecture]
- “Bimetallic chromium catalysts with chain transfer agents: A new route to isotactic poly (propylene oxide)s with narrow dispersities” 2018, Meeting of the American Chemical Society (Boston, MA) [lecture]
- “Controlled access to isotactic poly (propylene oxide) using bimetallic catalysts and chain shuttling agents” 2018, N.C. State University Department of Polymer and Color Chemistry (Raleigh, NC) [lecture]

- “Controlled synthesis of isotactic poly (propylene oxide) using a bimetallic catalyst and chain shuttling agents” 2017, Meeting of the American Chemical Society (Washington, D.C.) [lecture]
- “Epoxidations of plant-based fatty acids and their corresponding esters by [Fe(BPMEN)](OTf)₂” 2013, *Meeting of the American Chemical Society* (New Orleans, LA) [poster]

TEACHING EXPERIENCE

- Graduate Polymer Chemistry, *Teaching Assistant*, Cornell University, 2017
- Skills for Being a Teaching Assistant, *Lead Teacher*, Cornell University, 2016, 2017
- General Chemistry II, *Recitation Teaching Assistant*, Cornell University, 2015, 2016
- Honors Organic Chemistry II, *Teaching Assistant*, Cornell University, 2015
- General Chemistry I, *Recitation Teaching Assistant*, Cornell University, 2014
- Organic Chemistry and Multivariable Calculus, *Math and Science Resource Center Tutor*, Williams College, 2011-2014
- Mathematics, *Teaching Assistant*, Williamstown Elementary School, 2010-2014
- Clinical Skills, *Teaching Intern*, UNC Medical School, 2013

STUDENTS MENTORED

- Anna Overholts, Cornell University Undergraduate, 2016-2018

PROFESSIONAL DEVELOPMENT

- Building Future Faculty Program, N.C. State University, 2018

COMMUNITY ENGAGEMENT

- **Expanding Your Horizons**, *Conference Chair*, Cornell University, 2016-2019: Interview and hire over 30 chair positions, coordinate logistical details, serve as mentor to younger chairs, and establish a vision for a conference that brings hundreds of girls to campus for a day of interactive science
- **Chemistry Graduate and Postdoc Seminar Series**, *Co-Chair*, Cornell University, 2016-2018: Coordinated weekly seminars to give older graduate students and postdoctoral scholars an opportunity to present their work and to foster interdepartmental community and collaboration
- **Chemistry Summer Seminar Series**, *Co-Chair*, Cornell University, 2016-2018: Coordinated two weekly seminars to give younger graduate students an opportunity to present their work and to foster interdepartmental community and collaboration
- **Undergraduate Chemistry Colloquium**, *Invited Judge*, Cornell University, 2018: Engaged with undergraduates to effectively present their original research to a broad chemical audience
- **USA Science and Engineering Festival**, *Demonstration Leader*, Cornell University, 2016, 2018: Worked with two other graduate students to run a demo booth to teach hundreds of children and families about polymers, fluorescence, and magnetism by creating glow-in-the-dark and magnetic silly putty
- **Graduate Association of Chemistry**, *Vice President*, Cornell University, 2016-2017: Served as advisor and mentor to the new president of the Graduate Association of Chemistry
- **Graduate Association of Chemistry**, *President*, Cornell University, 2015-2016: Coordinated monthly departmental social hours and fellowship advising sessions to encourage a sense of community and collaboration within the department
- **Expanding Your Horizons**, *Registration Chair*, Cornell University, 2015-2016: Coordinated the registration of 700 girls and their parents for a yearly event to encourage enthusiasm about science in 7th-9th grade girls
- **Families Learning Science Together**, *Demonstration Leader*, Cornell University, 2014-2016: Assisted with monthly public workshops that give elementary school children and their families hands-on experience with scientific experiments
- **Kid’s Science Day**, *Demonstration Leader*, Cornell University, 2015: Ran a booth to teach elementary aged children about polymers

- **Expanding Your Horizons**, *Workshop Leader*, Cornell University, 2015: Prepared and ran a workshop about the esterification process, natural, and artificial flavoring to enthuse 7th-9th grade girls about science
- **Chemistry Day**, *Demonstration Leader*, Williams College, 2012-2014: Executed an afternoon of chemistry workshops to expose local 5th graders to chemistry to foster a sense of enthusiasm for the subject
- **Freshman Entry Program**, *Junior Advisor*, Williams College, 2012-2013: Mentored a residential group of 21 freshmen and served as liaison between these students and the college-provided resources