

Katherine “Katie” Hurley

Fourth-year graduate student

Adviser: Professor Christy Haynes

Bachelor’s degree: Carthage College, Kenosha, WI

Fellowships/Honors/Awards: National Science Foundation Graduate Research Fellowship Program fellowship; Agnes Hansen Travel Award, Xi Chapter of Graduate Women in Science; Beaker and Bunsen Award, Third Year Graduate Student Research Symposium; Mary Haga Travel Award, Xi Chapter of Graduate Women in Science; American Chemical Society Travel Award for the fourth EuCheMS Chemistry Congress in Prague, Czech Republic; and invited talk for Cancer Nanotechnology Conference at Dartmouth College, “Effects of Mesoporous Silica Coating on the Transverse Relaxivity of Iron Oxide Nanoparticles.”

Future plans: During my time in graduate school, I have learned that my favorite part of the scientific process is communicating my results, particularly to those without expertise in my field. Therefore, I want my career to be heavy on communication and teaching, but the specifics are still coming together. I would love to be a professor at a liberal arts college, especially because I want to reach out to students who will not major in chemistry. I want to make their required science classes as useful as possible and help them to develop into scientifically literate members of the public. I could also see myself working in a job as an editor for a scientific journal, a science writer for a magazine, or a scientific adviser for policy-makers.



Rebecca Lindsey

Fourth-year graduate student

Adviser: Professor Ilja Siepmann

Bachelor degree: Wayne State University

Fellowships/Honors/Awards: National Science Foundation travel grant to attend the PASI-3MS workshop on multiscale molecular modeling in Montevideo, Uruguay; awarded third place at the annual American Institute of Chemical Engineers (AIChE) Student Conference for poster presentation on energetic materials remediation research; and scholarships and research grants at Wayne State University.

Future plans: Although I’m still in the process of “figuring out” precisely what I want to do upon graduation, the ultimate goal is to obtain a teaching position in which I can also conduct research.



Maria Miranda

Fifth-year graduate student

Advisers: Professors Marc Hillmyer and William Tolman

Bachelor’s degree: Boston University, 2009, working with Professor Linda Doerrer

Fellowships/Honors/Awards: Department of Chemistry Krogh/Block Grant Fellowship, National Science Foundation Graduate Research Fellowship, and Louise T. Dodsall Fellowship for women in underrepresented departments across the University of Minnesota. Recipient of two travel grants: one for outstanding research and exemplary presentation at the 2012 Graduate Student Research Symposium and another from the Xi Chapter of Graduate Women in Science.

Future plans: Currently looking for jobs in industry.



Paul "Alex" Rudd

Fifth-year graduate student

Adviser: Professor Connie Lu

Bachelor's degree: Emory University in Atlanta, GA

Fellowships/Honors/Awards: Won the competitive travel grant from the American Chemical Society (ACS) Division of Inorganic Chemistry for travel to the 2013 spring American Chemical Society conference in New Orleans, and the university's Doctoral Dissertation Fellowship. I've also published several first author papers in the *Journal of the American Chemical Society* (2011), *Angewandte Chemie* (2013), and the *European Journal of Inorganic Chemistry* (2013).

Future plans: I'm primarily applying for industrial research and development, although, I'm also on the lookout for interesting postdoctoral positions at national laboratories.



Stephen Rudisill

Fifth-year graduate student

Adviser: Professor Andreas Stein

Bachelor's degree: Beloit College (first came to the University of Minnesota as an Research Experience for Undergraduates student in 2008 in the Department of Electrical & Computer Engineering

Fellowships/Honors/Awards: 2013 Doctoral Dissertation Fellowship, and presenting a winning talk at the 2012 Third Year Graduate Student Research Symposium.

Future plans: After graduation, I plan on working in industrial research and development. I'd like to find work on developing alternative/sustainable energy production solutions, as I feel that's the most pressing technical problem on the planet right now. The main project I worked on for my first four years was on solar production of chemical fuels, which has given me both a broad understanding of the field, and some nitty-gritty details about catalysis, efficiency, and scale-up.

