



Elisabeth T. Hennessy

Graduate Institution: Harvard University

Graduate Discipline: Inorganic Chemistry

Hometown: Houston, TX

Relevant SC Research: Basic Energy Sciences

Research Interest:

I am interested in the synthesis of transition metal catalysts capable of activating and functionalizing small molecules for energy-related purposes. My current research project has involved the synthesis of ferrous dipyrromethene (semi-porphyrin) complexes capable of catalytically functionalizing C–H bonds in the presence of oxidative group transfer reagents. The project relies heavily on the interplay between ligand design and the electronic structure of the metal center in order to achieve maximum catalytic reactivity.

About Me:

I am currently a fourth year graduate student studying synthetic inorganic chemistry. After receiving my PhD, I intend to pursue post-doctoral studies in inorganic chemistry with a greater focus on spectroscopy and photocatalysis. Ultimately, I would like to pursue a career as a chemistry professor. I am a member

of the American Chemical Society and involved in Harvard's Women in Chemistry organization.



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