- **AM Hilderbrand**, AM Kloxin, "Biomaterials with multiscale structural complexity," Delaware IDeAs Meeting, February 2016, Newark, DE. *Poster.*
- **AM Hilderbrand**, AM Kloxin, "Biomaterials with multiscale structural complexity," University of Delaware Department of Chemical & Biomolecular Engineering Winter Research Review, January 2016, Newark, DE. *Poster.*
- **AM Hilderbrand**, C Guo, AM Kloxin, "Hydrogels with structural complexity provided by multifunctional collagen mimetic peptides," Neutron day, November 2015, Newark, DE. *Poster.*
- **AM Hilderbrand**, AM Kloxin, "Multifunctional biomimetic materials with multiscale structural complexity," University of Delaware Department of Chemical & Biomolecular Engineering Summer Research review, June 2015, Newark, DE. *Oral Presentation.*
- **Collins Fellowship** (2013-2014)

LEADERSHIP AND COMMUNICATION EXPERIENCE:

- Fraser and Shirley Russell **Teaching Fellowship** (Spring 2017)
- **President** of graduate student organization, Colburn Club (2015-2016)
- **DJ** for *Science Rocks!,* a weekly radio show on WVUD 91.3 FM The Basement (2014 – Present)
- **Teaching Assistant** for Heat and Mass Transfer Operations (2016) and Introduction to Polymer Science (2014)
- Served as **At-Large Representative** & **2nd Year Representative** of Colburn Club (2013-2015)
- **Chaired** *Minds of Tomorrow*, a grant-based outreach organization (2011-2013)

INDUSTRIAL EXPERIENCE:

Honeywell Aerospace, Plymouth, MN May 2011-August 2011

Engineering Intern

- Studied process and worked with operators to reduce part scrap
- Mapped temperatures of heating and cooling block to determine if gradient existed within block
- Developed and revised Standard Operating Sheets
- Provided engineering support for Cell 2 of process
- Collected initial data for single piece flow Value Stream Mapping Project