

## Lu Li

5050 S. Lake Shore Drive Apt 1717.S  
Chicago, IL, 60615

3128134774  
lilu@uchicago.edu

### Education

**The University of Chicago**, Chicago, IL

Ph.D. Institute for Molecular Engineering, expected June 2019

Advisor: Matthew Tirrell

- GPA: 3.71/4.0
- IME Graduate Fellowship, IME

**Zhejiang University**, Hangzhou, Zhejiang

B.Eng in Polymer Materials & Engineering, June 2014

- GPA: 3.91/4.0
- The National Scholarship, 2010~2011 & 2012~2013
- First-Class Scholarship for Outstanding Students, 2010~2011 & 2012~2013
- First-Class Scholarship for Outstanding Merits, 2010~2011 & 2012~2013
- The First Prize of the English Contest of Class of 2014, May 2011
- The Third Prize of the Physics Competition of Zhejiang Province, December 2011

### Research Experience

**The University of Chicago**, Chicago, IL

*Graduate Researcher*, 2015-Present

- Researching the phase separation and transition of complex coacervate

**Zhejiang University**, Hangzhou, Zhejiang

*Undergraduate Researcher in Student Research Training Program of Zhejiang University*,  
Sept. 2012~May 2013

- Grafted zwitterionic ligand of carboxybetaine lipoic acid to stabilize gold nanorods for cancer thermal treatment.
- Used UVS, IR, NMR, STEM to characterize the modified and unmodified gold nano-particles and their accumulation states under different environments.

**Zhejiang University**, Hangzhou, Zhejiang

*Undergraduate Researcher in National Research Training Program for College Students*, May 2012~May 2013

- Conducted the extended research in the above program, including cell culture, MTT experiments and endocytosis testing

**The University of Chicago**, Chicago, IL

*Summer Exchange Undergraduate Researcher*, July 2013~Aug. 2013

- Synthesized low-bandgap polymer materials for solar cells

### Leadership Experience

**Student Union of Department of Polymer Science and Engineering**,

Zhejiang University, Hangzhou, Zhejiang

*Associate chair of Athletic and Art Branch*, 2011-2013

*Consultant and Secretary of the Chair*, 2013-2014

- Organized athletic and artistic activities for more than 500 undergraduate and graduate students
- Participated the recruiting process of new members of Student Union, supported the praesidium concerning daily operation.
- Organized and participated the departmental team for the University Sports Meeting in 2011 and 2012, the departmental Basketball Competition, New Year's Festival of 2012, and the University Badminton Competition of 2013.

### **Technical Skills**

- Synthesizing and characterization of polymer materials
- Data analysis for complex coacervate

### **Areas of Expertise**

- Polymer materials
- Phase separation and transition for complex coacervate