

**PRESENTATIONS:**

1. **Rokhlenko, Y.**, Zhang, K., Gopinadhan, M., Larson, S.R., Majewski, P.W., Yager, K.G., Gopalan, P. O'Hern, C. S., Osuji. C. O. "Leveraging intrinsic chain anisotropy to align coil-coil block copolymers with magnetic fields." Discussion leader and invited presenter at Gordon Polymer Physics Seminar, July 23-24, 2016. South Hadley, MA
2. **Rokhlenko, Y.**, Zhang, K., Gopinadhan, M., Larson, S.R., Majewski, P.W., Yager, K.G., Gopalan, P. O'Hern, C. S., Osuji. C. O. "Leveraging intrinsic chain anisotropy to align coil-coil block copolymers with magnetic fields." Paper presented at APS March Meeting. 2016 March 14-18. Baltimore, Maryland.
3. **Rokhlenko, Y.**, Zhang, K., Larson, S.R., Gopalan, P. O'Hern, C. S., Osuji. C. O. "Magnetic Field Alignment of PS-P4VP: a Non-Liquid Crystalline Coil-Coil Block Copolymer." Paper presented at APS March Meeting. 2015 March 2-6. San Antonio, Texas.
4. **Rokhlenko, Y.**, Osuji. C. O. "Magnetic field alignment of PS-b-P4VP block copolymers mediated by supramolecular complexation with a paramagnetic species." Paper presented at 248th ACS National Meeting. 2014 August 10-14. San Francisco, California.

**FELLOWSHIP:**

- Received National Physical Sciences Consortium (NPSC) Fellowship April 2015
  - Funding for up to 3 years
  - Collaboration with Edwin Chan (Functional Polymers Group) at National Institute of Standards and Technology (NIST)

**UNIVERSITY-LEVEL TEACHING:**

- ENAS 603: Energy, Mass, and Momentum Processes** (graduate-level course) Spring 2014/Fall 2015
- Teaching Fellow responsible for homework grading, and 2-hour recitation each week
- ENAS 315: Transport Phenomena** (undergraduate-level course) Spring 2015
- Teaching Fellow responsible for homework grading, and occasional recitation
- CENG 210: Principles of Chemical Engineering and Process Modeling** (undergraduate-level course) Fall 2013
- Teaching Fellow responsible for homework grading, and office hour each week

**LEADERSHIP AND COMMUNITY OUTREACH:**

- Advanced Graduate Leadership Program (Entrepreneurship track) 2014-present
  - Summer 2015, worked with several summer fellow teams of the Yale Entrepreneurial Institute performing market research in various industries including restaurant, furniture, and medical device
- Pathway to Engineering Volunteer April 2013 and April 2014
- Family Science Night Volunteer, New Haven, CT March 2014
- Science Fair Judge, Hooker High School, New Haven, CT February 2014
- Langer Graduate Student Symposium Organizing Committee Fall 2013

**TECHNICAL SKILLS:****Laboratory**

Small/Wide-Angle X-ray Scattering, TEM, SEM, DSC, Organic synthesis, Column chromatography, NMR spectroscopy, HPLC/MS, FT-IR spectroscopy, UV-Vis spectroscopy, Vacuum lines, Polarized Light Microscopy, Gel electrophoresis, Plasmid amplification, Bioassay, PCR

**Computer**

Matlab, Mathematica, Illustrator, IgorPro, Origin, ChemDraw, MestReNova, VnmrJ, Microsoft Office Suite, Reaxys website

**ADDITIONAL SKILLS AND INTERESTS:**

- Machine-shop trained
- Fluent in Russian, proficient in French
- Avid Swimmer, Sprint-Distance Triathlete, Intramural Volleyball Player