

## Students, their thesis topic, graduation date, and where they went to work

### *PhD Students*

- Kevin Gao, “Polymer Blend Electrolytes for Lithium Batteries”, October 2017-July 2022 (Blue Current, Hayward, California)
- Lorena Grundy, “NMR Characterization of Ion Transport in Solid Electrolytes”, October 2017-August 2022 (Northeastern University)
- Gurmukh Sethi, “Thermodynamics and Ion Transport in Organic-Inorganic Block Copolymers”, June 2021. (Blue Current, Hayward, California)
- Michael Galluzzo, “Current-Induced Phase Transitions in Block Copolymer Electrolytes”, June 2021. (Intel, Portland, Oregon)
- Whitney Loo, "Effect of Morphology on Ion Transport in Block Copolymer Electrolytes", August 2020. (University of Wisconsin, Madison)
- Jacqueline Maslyn, "Lithium Metal Anodes in Rechargeable Batteries", June 2020. (Zitara Technologies, San Francisco, California)
- Deep Shah, "Ion Transport in Perfluoroether-Based Electrolytes", June 2020. (Tesla, Palo Alto, California)
- Rita Donyang Wang, “Fundamental Studies of Lithium-Sulfur Reaction Intermediates”, August 2018 (Tesla, Palo Alto, California)
- Danielle M. Pesko, “Complete Electrochemical Characterization of Polymer Electrolytes”, June 2018 (QuantumScape, San Jose, California).
- Ksenia Timachova, “Ion Diffusion and Electrically Driven Transport in Homogeneous and Nanostructured Polymer Electrolytes”, August 2018, (Lam Research Corporation, Fremont, California).
- Douglas Greer, "Self-Assembly of Peptoid Block Copolymers", December, 2017 (Intel, Portland, Oregon).
- Alex Wang, "Block Copolymer Membranes for Xylose Dehydration ", September 2017 (AGC Automotive Americas, Ypsilanti, Michigan).
- Adriana Rojas, "Single-Ion-Conducting Block Copolymers", August 2016. (A123, Waltham, Massachusetts)
- Mahati Chintapalli, "Ion Transport in Block Copolymers", December 2016 (PARC, a Xerox Company, Palo Alto, California).
- Chae-Young Shin, "Block Copolymer Membranes for Biofuel Purification", December 2016 (Zimitech, Berkeley, California).
- Jacob Thalen, "Charge Transport in Block Copolymers", December 2016 (NIST, Gaithersburg, Maryland).
- Kevin Wujcik, "Fundamental Studies of Lithium-Sulfur Cell Chemistry", October 2016 (Ford, Ann Arbor, Michigan; moved to Blue Current, Hayward, California).
- Katherine Harry, "Lithium Dendrite Growth through Solid Polymer Electrolyte Membranes", June 2016 (Seeo Inc., San Mateo, California; now at Sila, Nanotechnologies, Alameda, California).
- Nicholas Young, "Effect of Supercritical Carbon Dioxide on the Thermodynamics of Polymer Blends", March 2014 (Intel, Portland, Oregon)
- Alexander A. Teran, "Thermodynamics and Transport Block Copolymer/Salt Mixtures", November 2013 (Blue Current, California; moved to Apple, Cupertino, California)

- Shrayesh N. Patel, "Simultaneous Electron and Ion Transport in Block Copolymers", May 2013 (University of Chicago)
- David T. Wong, "Mesoporous Block Copolymer Separators", December 2012, (Exponent, Boston, MA, moved to Apple, Cupertino, California)
- Keith M. Beers, "Characterization of Self-Assembly and Charge Transport in Model Polymer Electrolyte Membranes", November 2012. (Exponent, Boston, MA)
- Greg M. Stone, March 2012. (Apple, Cupertino, California)
- Scott A. Mullin, "Morphology and Ion Transport in Block Copolymer Electrolytes", December 2011. (Seeo, Inc., Hayward, CA; moved to Holo Inc, Newark, California)
- Nisita Wanakule, "Ion-Containing Block Copolymers", December, 2010. (ESPCI, Paris, France, moved to )
- Alisyn J. Nedoma, "Phase Behavior in Blends of Asymmetrical Polyolefins", August, 2010. (Imperial College, London, UK)
- Justin Virgili, co-advised by R.A. Segalman, "Studies of Block Copolymer Thin Films and Mixtures with an Ionic Liquid", August 2009. (Dow Chemicals, Midland, MI)
- Jeffrey D. Wilbur, "Guided Wave Depolarized Light Scattering", January 2008. (Dow Chemicals, Midland, MI)
- Amish J. Patel, "Dynamic Studies of a Block Copolymer Melt", December 2007. (University of Pennsylvania, Philadelphia, PA)
- Enrique D. Gomez, "Electron Microscopy of Soft Matter", December 2007. (Pennsylvania State University, State College, PA)
- Megan L. Ruegg, "Designing Surfactants for the Organization of Immiscible Polymers", August, 2007. (University of Houston, Houston, TX)
- Hany B. Eitouni, "Electrochemical Self-Assembly of Organometallic Block Copolymers", December, 2005. (Seeo, Inc., Hayward, CA; moved to Holo Inc, Newark, California)
- Hyeok Hahn, "Block Copolymers and Nanotechnology", May 2004 (Chevron, Richmond, CA)
- Amy A. Lefebvre, "Initial Stages of Phase Separation in Polymer Blends Near the Limit of Metastability", June, 2002. (Arkema Inc., Philadelphia, PA)

*Post Docs:*

- Xiaopeng Yu, Synthesis of Novel Ion Conductors, February 2020-August 2022 (Applied Materials, San Jose, California)
- Louise Frenck, Lithium Metal Electrodes, October 2017-May 2022 (Blue Current, Hayward, California)
- Youngwoo Choo, Solvation Studies in Polymer Electrolytes, August 2018-December 2020 (University of Technology, Sydney, Australia)
- Hee Jeung Oh, Polymer Membranes for Drug Capture, August, 2014-December 2019 (Pennsylvania State University).
- Kim Mongcopa, Dynamics in Polymer Electrolytes, January 2017-October 2018 (C3Nano, California).
- Irune Villaluenga, Synthesis and Characterization of Composite Solid Electrolytes, January 2013-March 2018 (Blue Current, Hayward, California; moved to University of the Basque Country, Spain).

- Mahesh Bhatt, Block Copolymers for Simultaneous Electron and Ion Transport, December 2013-December 2016. (C-Crete Technologies, Houston, Texas)
- Didier Devaux, Characterization of Solid Electrolytes and Electrodes, February 2013-August 2016. (Centre National de la Recherche Scientifique (CNRS), Grenoble Institute of Technology, France)
- Chelsea Chen, Synthesis and Characterization of Proton-Conducting Membranes, May 2012-July, 2016 (Oak Ridge National Laboratory, Oak Ridge, Tennessee).
- Nikos Petzetakis, Synthesis and Characterization of Membranes for Biofuel Purification, November 2012-October 2015. (Dow Chemicals, Freeport, TX)
- Pepa Cotanda, Synthesis and Characterization of Membranes for Artificial Photosynthesis, December 2012-September 2015. (Dow Chemicals, Freeport, TX)
- Inna Gurevitch, Synthesis and Characterization of Block Copolymer/Ceramic Composite Electrolytes, November 2011-June 2014.
- Anna E. Javier, Block Copolymers for Electron and Ion Transport, June 2010-December 2013. (Henkel Corp., Pittsburgh, California)
- Dan Hallinan, Block Copolymer Electrolytes for Lithium Batteries, July 2009-December, 2012 (Florida State University).
- Guillaume Sudre, Characterization of Block Copolymers for Selective Hydroxide Ion Transport, February 2011-December 2012 (Claude Bernard University, Lyon, France).
- Evren Ozcam, Optimized Membranes for Selective Alcohol Transport, December 2010-November 2012. (3M, Minneapolis, Minnesota)
- Ashish K. Jha, Characterization of Membranes for Selective Transport of Alcohol, December 2008-July 2011. (Clorox, Pleasanton, California)
- Xin Wang, Ion Transport in Hydrated Polymers, August 2007-January, 2011. (DSM, China)
- Liang Chen, Synthesis of Membranes for Selective Transport of Alcohol, July 2009-July 2010. (Dow Chemicals, Midland, MI)
- Ashutosh Panday, Nanostructured Block Copolymer Electrolytes, December 2006-July 2009. (University of Petroleum and Energy Studies, Dehradun, India)
- Moon-Jeong Park, Synthesis and Characterization of Fuel Cell Membranes, January 2006-February 2009. (Postech, Pohang, Korea)
- Ed Feng, "Simulations and Field Theory of Polymers", January 2006-June 2008. (Lawrence Livermore National Laboratory, Livermore, California)
- Mohit Singh, "Synthesis and Characterization of Polymer Electrolytes", March 2004-September, 2006. (Seeo, Inc., Hayward, CA; moved to QuantumScape, San Jose, California)
- Gregg Wilmes, "Nanolithography using Templated Block Copolymers", January 2004-July 2006. (Eastern Michigan University)
- Kyungyoul Baek, "Synthesis of Nanostructured Fuel Cell Membranes", March 2004-March 2006. (Korean Institute of Science and Technology)
- Yumi Matsumiya, "Characterization of Polymer Electrolytes", August 2002-December 2003. (Institute for Chemical Research, Kyoto University, Japan)