# Bryan W. Boudouris

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## Education

**Ph. D. in Chemical Engineering**, *August 2009*
University of Minnesota, Minneapolis, MN
Advisors: Professors C. Daniel Frisbie and Marc. A. Hillmyer
Thesis: "Polythiophene-Containing Block Copolymers for Organic Photovoltaic Applications"

**B. S. in Chemical Engineering**, *May 2004*
University of Illinois at Urbana-Champaign, Urbana, IL
Undergraduate Advisors: Professors Richard C. Alkire and Paul J. A. Kenis

## Professional Positions

**Assistant Professor**
School of Chemical Engineering, Purdue University *August 2011 – Present*

**Assistant Professor of Chemistry, by Courtesy**
Department of Chemistry, Purdue University *October 2013 – Present*

**Co-Founder and Scientific Advisor**
Anfiro, Incorporated *February 2014 – Present*

**Postdoctoral Fellow**, Mentor: Professor Rachel A. Segalman
Department of Chemical & Biomolecular Engineering, University of California, Berkeley and
Materials Science Division, Lawrence Berkeley National Laboratory *September 2009 – July 2011*

## Selected Honors and Awards

- APS Division of Polymer Physics-UK Polymer Physics Group Lectureship 2015
- IMPACT Faculty Fellow at Purdue University 2015
- Purdue University Teaching for Tomorrow Award 2014
- NAE Frontiers of Engineering Invited Participant 2013
- Ralph W. and Grace M. Showalter Research Trust Award 2012
- DARPA Young Faculty Award 2012
- AFOSR Young Investigator Research Program Award 2012
- Chemical Engineering and Materials Science (UMN) Outstanding T.A. Award 2009
- Outstanding Instructor (Top 10% of all instructors) at the UIUC Campus 2003, 2004
- AIChE, D. F. Othmer Academic Excellence Award 2003
- Walter G. May Scholarship for Excellence in Chemical Engineering 2002
- James Scholar at the University of Illinois at Urbana-Champaign 2000 – 2003
- Chancellor's Scholar at the University of Illinois at Urbana-Champaign 2000 – 2004

## Service and Professional Associations

- Member of the American Institute of Chemical Engineers (AIChE), American Chemical Society (ACS), American Physical Society (APS), American Society for Engineering Education (ASEE)

- Founding Program Director of the Purdue Section's ACS Project SEED program, which encourages high school students from economically-disadvantaged families to conduct summer research in University laboratories under the guidance of Purdue faculty
- Associate Member of the National American Chemical Society Project SEED Executive Committee
- Alternate Councilor for the Purdue Section of the American Chemical Society
- Manuscript reviewer for *ACS Macro Letters*, *Macromolecules*, *Journal of Physical Chemistry*, *Biomacromolecules*, *Applied Physics Letters*, *Advanced Materials*, *Advanced Energy Materials*, *Journal of Polymer Science*, *Journal of Membrane Science*, *Journal of Vacuum Science and Technology*, *Materials Science in Semiconductor Processing*, *Journal of Applied Polymer Science*, *ACS Nano, ACS Applied Materials and Interfaces*, *Polymer Chemistry*, *Polymer*, *Journal of Electronic Materials*, *Thin Solid Films*, *ChemSusChem*, *Chemical Engineering Education*, the *Korean Journal of Chemical Engineering*, and the *Central European Journal of Engineering*
- Proposal reviewer for the National Science Foundation (NSF), the Department of Energy (DOE), the Air Force Office of Scientific Research (AFOSR), and the Royal Society
- Reviewer for the Stanford Synchrotron Radiation Lightsource (SSRL) and the Molecular Foundry at Lawrence Berkeley National Laboratory (LBNL) User Proposals
- Faculty Advisor for the Purdue University Student Chapter of the American Institute of Chemical Engineers (AIChE) and the Purdue Chapter of the Zeta Beta Tau (ZBT) fraternity.
- Faculty Mentor for Undergraduate (Student Soybean and Corn Innovation Competition) and Graduate (Burton D. Morgan and DOE National University Clean Energy) Business Competitions
- Session Chair and Co-Chair at the 2011, 2012, and 2014 APS and 2011 – 2014 AIChE National Meetings.
- Focus Topic Co-organizer for the "Organic Electronics and Photonics" session of the 2014 APS meeting.

## Refereed Publications

29. * "Enhancement of P3HT:PCBM Inverted Organic Solar Cell Performance through the Inclusion of Super-Paramagnetic $Fe_3O_4$-ZnO Core-Shell Nanoparticles," Jaramillo, J.; Barrero, C.; Boudouris, B. W.; Jaramillo, F. **2015**, *submitted for review*.

28. * "Nanostructured Membranes from Triblock Polymer Precursors as High Capacity Copper Adsorbents," Weidman, J. L.; Mulvenna, R. A.; Boudouris, B. W.; Phillip, W. A. **2015**, *submitted for review*.

27. * "Tuning the Thermoelectric Properties of a Conducting Polymer through Blending with Open-shell Molecular Dopants," Tomlinson, E. P.; Willmore, M. J.; Zhu, X.; Hilsmier, S. W. A.; Boudouris, B. W. **2015**, *submitted for review*.

26. * "Kinetic Analysis for the Polymerization of High Molecular Weight A-B-C Triblock Polymers via a Reversible Addition-Fragmentation Chain Transfer (RAFT) Mechanism," Mulvenna, R. A.; Prato, R. A.; Phillip, W. A.; Boudouris, B. W. **2015**, *submitted for review*.

25. * "Manipulating the Electrical Conductivity of Palladium-Coated, Genetically-Engineered Tobacco Mosaic Viruses," Freer, A. S.; Adigun, O.; Mueller, L.; Gilpin, C.; Boudouris, B. W.; Harris, M. T. **2015**, *submitted for review*.

24. * "Collection-limited Theory Interprets the Extra-ordinary Response of Single Semiconductor Organic Solar Cells," Ray, B.; Baradwaj, A. G.; Khan, M. R.; Boudouris, B. W.; Alam, M. A. *Proc. Natl. Acad. Sci.* **2015**, *accepted*.

23. * "Synthesis and Thin Film Self-Assembly of Radical-Containing Diblock Copolymers," Rostro, L.; Baradwaj, A. G.; Muller, A. R.; Laster, J. L.; Boudouris, B. W. *MRS Commun.* **2015**, *available online*.

22. * "Nanostructural Impact on the Macroscopic Device Performance of Polymer-based Ordered Ferroelectric Devices," Sung, S. H.; Boudouris, B. W. *ACS Macro Letters* **2015**, *4*, 293–297.

21. * "Effect of Intrachain Sulfonic Acid Dopants on the Solid-State Charge Mobility of a Model Radical Polymer," Chan, H.; Wang, Y.; Boudouris, B. W. *Thin Solid Films* **2015**, *577*, 56–61.

20. * "Suppressing the Environmental Dependence of the Open-Circuit Voltage in Inverted Polymer Solar Cells through a Radical Polymer Anodic Modifier," Rostro, L.; Galicia, L.; Boudouris, B. W. *J. Polym. Sci. B Polym. Phys.* **2015**, *53*, 311–316.

19. * "Nanoporous Membranes Generated from Self-Assembled Block Polymer Precursors: *Quo Vadis*?," Zhang, Y.; Sargent, J. L.; Boudouris, B. W.; Phillip, W. A. *J. Appl. Poly. Sci.* **2015**, *132*, 41683.

18. * "Radical-containing Polymers and Their Applications to Organic Electronic Devices," Tomlinson, E. P.; Hay, M. E.; Boudouris, B. W. *Macromolecules* **2014**, *47*, 6145–6158.

17. * "Defect Characterization in Organic Semiconductors: Forward Bias Capacitance Analysis," Ray, B.; Baradwaj, A. G.; Boudouris, B. W.; Alam, M. A. *J. Phys. Chem. C* **2014**, *118*, 17461–17466.

16. * "Tunable Nanoporous Membranes with Chemically-Tailored Pore Walls from Triblock Terpolymer Templates," Mulvenna, R. A.; Weidman, J. L.; Jing, B.; Pople, J. A.; Zhu, Y.; Boudouris, B. W.; Phillip. W. A. *J. Membr. Sci.* **2014**, *470*, 246–256.

15. * "Solid State Electrical Conductivity of Radical Polymers as a Function of Pendant Group Oxidation State," Rostro, L.; Wong, S. H.; Boudouris, B. W. *Macromolecules* **2014**, *47*, 3713-3719.

14. * "Quantification of Solid-State Charge Mobility in a Model Radical Polymer," Baradwaj, A. G.; Rostro, L.; Alam, M. A.; Boudouris, B. W. *Appl. Phys. Lett.* **2014**, *104*, 213306.

13. * "Controlled Radical Polymerization and Quantification of Solid State Electrical Conductivities of Macromolecules Bearing Pendant Stable Radical Groups," Rostro, L.; Baradwaj, A. G.; Boudouris, B. W. *ACS Appl. Mater. Interfaces* **2013**, *5*, 9896–9901.

12. * "Intramolecular Exciton Diffusion in Poly(3-hexylthiophene)," Healy, A.; Boudouris, B. W.; Frisbie, C. D.; Hillmyer, M. A.; Blank, D. A. *J. Phys. Chem. Lett.* **2013**, *4*, 3445–3449.

11. * "Engineering Optoelectronically-active Macromolecules for Polymer-based Photovoltaic and Thermoelectric Devices," Boudouris, B. W. *Curr. Opin. Chem. Eng.* **2013**, *2*, 294–301.

10. "Infrared Conductivity of Hole Accumulation and Depletion Layers in (Ga,Mn)As- and (Ga,Be)As-based Field-effect Devices," Chapler, B. C.; Mack, S.; Ju, L.; Elson, T. W.; Boudouris, B. W.; Namdas, E.; Yuen, J. D.; Heeger, A. J.; Samarth, N.; Di Ventra, M.; Segalman, R. A.; Awschalom, D. D.; Wang, F.; Basov, D. N. *Phys. Rev. B* **2012**, *86*, 165302.

9. "PN Junction Rectification in Electrolyte Gated Mg Doped InN," Alarcon-Llado, E.; Mayer, M. A.; Boudouris, B. W.; Segalman, R. A.; Miller, N.; Yamaguchi, T.; Wang, K.; Nanishi, Y.; Haller, E. E.; Ager, J. W. *Appl. Phys. Lett.* **2011**, *99*, 102106.

8. "Real-Time Observation of Polythiophene Crystallization and the Correlation with Transient Optoelectronic Properties," Boudouris, B. W.; Ho, V.; Jimison, L. H.; Toney, M. F.; Salleo, A.; Segalman, R. A. *Macromolecules* **2011**, *44*, 6653–6658.

7. "Poly(3-alkylthiophene) Diblock Copolymers with Ordered Microstructures and Continuous Semiconducting Pathways," Ho, V.; Boudouris, B. W.; McCulloch, B. L.; Shuttle, C. G.; Burkhardt, M.; Chabinyc, M. L.; Segalman, R. A. *J. Am. Chem. Soc*. **2011**, *133*, 9270–9273. (Google Scholar Citation Count = 60).

6. "Controlling Inelastic Light Scattering Quantum Pathways in Graphene," Chen, C.-F.; Park, C.-H.; Boudouris, B. W.; Horng, J.; Geng, B.; Girit, C.; Zettl, A.; Crommie, M. F.; Segalman, R. A.; Louie, S. G.; Wang, F. *Nature* **2011**, *471*, 617–620. (Google Scholar Citation Count = 148).
5. "Tuning Polythiophene Crystallization through Systematic Side Chain Functionalization," Ho, V.; Boudouris, B. W.; Segalman, R. A. *Macromolecules* **2010**, *43*, 7895-7899. (Google Scholar Citation Count = 56).
4. "Polylactide-Polythiophene-Polylactide Triblock Copolymers," Boudouris, B. W.; Frisbie, C. D.; Hillmyer, M. A. *Macromolecules* **2010**, *43*, 3566–3569.
3. "Synthesis, Optical Properties, and Microstructure of a Fullerene-terminated Poly(3-hexylthiophene)," Boudouris, B. W.; Molins, F.; Blank, D. A.; Frisbie, C. D.; Hillmyer, M. A. *Macromolecules* **2009**, *42*, 4118–4126.
2. "Nanoporous Poly(3-alkylthiophene) Thin Films Generated from Block Copolymer Templates," Boudouris, B. W.; Frisbie, C. D.; Hillmyer, M. A. *Macromolecules* **2008**, *41*, 67–75. (Google Scholar Citation Count = 146).
1. "Intramolecular Exciton Relaxation and Migration Dynamics in Poly(3-hexylthiophene)," Wells, N. P.; Boudouris, B. W.; Hillmyer, M. A.; Blank, D. A. *J. Phys. Chem. C* **2007**, *111*, 15404–15414. (Google Scholar Citation Count = 56).

* Indicates Purdue-affiliated Publications

## Pending Patents and Patent Disclosures

4. Provisional Patent. "Nanostructured Membranes from Triblock Polymer Precursors as High Capacity Adsorbents," Weidman, J. L.; Mulvenna, R. A.; Boudouris, B. W.; Phillip, W. A., Filed: May 29, 2015 with Identifying Number: D-15-060/HF 501.038PRV.
3. Provisional Patent. "Time-dependent Erasable Ink and Delivery Apparatus," Boudouris, B. W.; Sargent, J. L.; Alcorace, E.; Dodd, R., Filed: February 27, 2015 with Application Number: 62121898.
2. Filed Patent. "Engineered Polymer Swab for Explosives Residue Detection: A Nanobrush," Boudouris. B W.; Beaudoin, S. P., Filed: September 18, 2014, Under Review with Identifying Number: 62/052,375
1. Filed Patent. "Multiblock Copolymers and Methods of Use", Phillip, W. A.; Boudouris, B. W., Filed: March 11, 2014, Under Review with Identifying Number: PCT/US2014/023497

## Invited Presentations

10. "Designing Macromolecules for Advanced Energy Conversion and Nanofiltration Applications." University of Wisconsin – Madison, Department of Chemistry. May 4, 2015.
9. "Designing Macromolecules for Advanced Energy Conversion and Nanofiltration Applications." University of Minnesota, Department of Chemical Engineering and Materials Science. April 28, 2015.
8. "Designing Macromolecules with Specific Optoelectronic and Chemical Functionalities for Advanced Membrane and Energy Conversion Applications." Purdue University, School of Chemical Engineering. September 9, 2014.
7. "Non-conjugated Radical Polymers as an Emerging Class of Transparent Conductors for Organic Photovoltaic and Thermoelectric Applications." 30$^{th}$ International Conference of the Polymer Processing Society (PPS-30). June 11, 2014.
6. "The Utilization of Radical Polymers in Next-Generation Thermoelectric Devices." United States Air Force Academy. October 21, 2013.

5. "The Utilization of Radical Polymers in Next-Generation Thermoelectric Devices." Air Force Office of Scientific Research, Flexible Thermoelectrics Workshop. July 10, 2013.
4. "Designing Macromolecules with Specific Optoelectronic and Chemical Functionalities for Advanced Energy and Biomedical Applications." Purdue University, Department of Chemistry (Organic Chemistry Division). April 2, 2013.
3. "Design of Optoelectronically-active Polymers for Organic Photovoltaic Applications." Purdue Solar Research Series, Birck Nanotechnology Center. January 24, 2013.
2. "Radical Polymers for Nanostructured, Next Generation Thermoelectric Devices." DARPA Young Faculty Award Kick-Off Meeting. July 31, 2012.
1. "Designing Semiconducting Polymers for Advanced Energy Applications." Purdue University, Birck Nanotechnology Center. September 28, 2011.

## Contributed Presentations

**Bolded** text indicates student presenter and *italicized* text indicates the student was an undergraduate.

29. **Poster presentation. Tomlinson, E. P., Willmore, M., Zhu, X., Boudouris, B. W.** "Enhancing the Thermoelectric Characteristics of PEDOT:PSS through the Incorporation of a Redox-Active Small Molecule." APS March Meeting, San Antonio, TX. March 2015.
28. **Poster presentation. Sargent, J. L., Mulvenna, R. A., Prato, R. A., Weidman, J. L., Phillip, W. A., Boudouris, B. W.** "Optimization and Characterization of Self-assembled Triblock Polymer Membranes with Chemically-Tunable Pore Walls for Nanofiltration Applications." APS March Meeting, San Antonio, TX. March 2015.
27. **Poster presentation. Sung, S. H., Boudouris, B. W.** "Nanostructural Patterning Improves the Performance of Non-volatile Polymer Memory Devices." APS March Meeting, San Antonio, TX. March 2015.
26. **Oral presentation. Rostro, L., Wong, S. H., Galicia, L., Boudouris, B. W.** "Design of Radical Polymers as Transparent Conductors in Organic Photovoltaic Devices." APS March Meeting, San Antonio, TX. March 2015.
25. Oral presentation. Boudouris, B. W., Rostro, L., Baradwaj, A. G., Hay, M. E. "Correlating Transport with Nanostructure and Chemical Identity in Radical Polymer Conducting Glasses." APS March Meeting, San Antonio, TX. March 2015.
24. Oral presentation. "Radical Polymers as Transparent Conductors in Organic Photovoltaic Applications." 2014 AIChE Annual Meeting, Atlanta, GA. November 2014.
23. **Poster presentation. Mulvenna, R. A., Weidman, J. L., Pople, J. A., Boudouris, B. W., Phillip, W. A.** "Nanoporous Membranes with Chemically-Tailored Pore Walls from Triblock Terpolymer Templates." APS March Meeting, Denver, CO. March 2014.
22. **Oral presentation. Rostro, L., Baradwaj, A. G., Boudouris, B. W.** "Synthesis and Solid State Charge Transport in Radical Polymers." APS March Meeting, Denver, CO. March 2014.
21. Oral presentation. Boudouris, B. W., Mulvenna, R. A., Weidman, J. L., Phillip, W. A. "Controlling Solution Self-assembly and Non-Solvent Induced Microphase Separation of Triblock Terpolymers to Generate Nanofiltration Membranes with Chemically-Tailored Pore Walls." APS March Meeting, Denver, CO. March 2014.
20. **Poster presentation. Baradwaj, A. G., Rostro, L., Boudouris, B. W.** "Quantifying the Solid State Charge Transport Characteristics of Radical Polymers." APS March Meeting, Denver, CO. March 2014.

19. Oral presentation. "Optimizing Solid State Conductivity in Radical Polymers." 2013 AIChE Annual Meeting, San Francisco, CA. November 2013.

18. **Poster Presentation, Biswajit Ray, Aditya G. Baradwaj, Bryan W. Boudouris, and Muhammad A. Alam.** "Capacitance Collapse in Forward Bias Fingerprint Defects in Organic Semiconductors." MRS Spring Meeting, San Francisco, CA. April 2013.

17. Oral presentation. "Aliphatic Polymers Bearing Pendant Radical Groups as Charge Carrying Moieties in Organic Electronic Applications." APS March Meeting, Baltimore, MD. March 2013.

**16. Poster presentation, Lizbeth Rostro and Bryan W. Boudouris.** "Solid State Charge Transport in Radical Polymers." APS March Meeting, Baltimore, MD. March 2013.

***15. Poster presentation, Sean F. Hadley and Bryan W. Boudouris.*** "Development of Active Nanorod Arrays for Improved Adhesion in Trace Detection of Explosives." 2013 AIChE Midwest Regional Conference, Chicago, IL. February 2013.

14. Oral presentation. "Well-Ordered Poly(3-alkylthiophene) Diblock Copolymers for Organic Photovoltaic Applications." 2011 AIChE Annual Meeting, Minneapolis, MN. October 2011.

13. Oral presentation. "Tuning Rod-Rod Interactions in Poly(3-alkylthiophene) Derivatives." APS March Meeting, Dallas, TX. March 2011.

12. Oral presentation. "Effect of Rod-Rod Interactions on the Microstructure of Poly(3-alkylthiophenes)." 2010 AIChE Annual Meeting, Salt Lake City, UT. November 2010.

11. Oral presentation. "Semiconducting Triblock Terpolymers for Microstructured Organic Photovoltaics." 2010 AIChE Annual Meeting, Salt Lake City, UT. November 2010.

10. Oral presentation. "Understanding Thin Film Polymer Microstructures for Advanced Energy Applications." Advanced Light Source (ALS) User's Meeting, Berkeley, CA. October 2010.

9. Poster presentation. "Controlling Rod-Rod Interactions in Poly(3-alkylthiophene) Block Copolymers." Organic Microelectronics and Optoelectronics Workshop VI, San Francisco, CA. July 2010.

8. Poster presentation. "Effect of Molecular Design on the Microstructure of Rigid Polymers." Polymer Physics Gordon Research Conference, South Hadley, MA. June 2010.

7. Oral presentation. "Synthesis and Microstructure of a Fullerene-Terminated Poly(3-hexylthiophene)." APS March Meeting, Portland, OR. March 2010.

6. Oral presentation. "Self-assembly of Polythiophene Block Copolymers." AIChE 100$^{th}$ Anniversary Annual Meeting, Philadelphia, PA. November 2008.

5. Poster presentation. "Self-assembly of Poly(3-hexylthiophene) Block Copolymers." Organic Microelectronics and Optoelectronics Workshop IV, San Francisco, CA. July 2008.

4. Poster presentation. "Renewable Energy from Sunlight Using Organic Photovoltaics." IREE E3 2007: Midwest's Premier Energy, Economic, and Environmental Conference, Minneapolis, MN. November 2007.

3. Poster presentation. "Ordered Bulk Heterojunction Photovoltaics Generated from Block Copolymer Templates." Honeywell Nobel Initiative, Minneapolis, MN. October 2007.

2. Oral presentation. "Synthesis and Application of Conducting Block Copolymers in Organic Photovoltaics." APS March Meeting, Denver, CO. March 2007.

1. Oral presentation. "Polythiophene-based Diblock Copolymers for Controlled Morphologies in Organic Photovoltaics." 232$^{nd}$ ACS Annual Meeting, San Francisco, CA. September 2006.

## Postdoctoral Scholars Mentored (1 Total, 0 Current)

Former Postdoctoral Scholars

- Dr. Steven Gaik, Ph. D. (October 2013 – February 2014), Ph. D. in Chemical Engineering from Purdue University. Current Position: Research Engineer at BASF.

## Visiting Scholars Mentored (2 Total, 0 Current)

Former Visiting Scholars

- Teona Cotan, M. D. (January 2013 – August 2013), Medical Doctor from Lafayette, Indiana
- Rafael Prato (August 2013 – August 2014), B. S. in Chemical Engineering from the University of California, Santa Barbara

## Graduate Students Mentored (13 Total, 10 Current)

- Aditya Baradwaj (October 2011 – present), Chemical Engineering, Purdue University
- Ryan Mulvenna (October 2011 – present), Chemical Engineering, Purdue University
- Lizbeth Rostro (October 2011 – present), Chemical Engineering, Purdue University
- Seung Hyun Sung (October 2012 – present), Chemical Engineering, Purdue University
- Edward Tomlinson (October 2012 – present), Chemical Engineering, Purdue University
- Martha Hay (October 2013 – present), Chemical Engineering, Purdue University
- Darby Hoss (October 2013 – present), Chemical Engineering, Purdue University
- Jennifer Laster (October 2013 – present), Chemical Engineering, Purdue University
- Jessica Sergeant (October 2013 – present), Chemical Engineering, Purdue University
- Adam Wingate (October 2014 – present), Chemical Engineering, Purdue University

Former Graduate Students, Degree, and Current Affiliation

- Michael Bauman (October 2012 – August 2013, Graduated with a MS Degree in Chemical Engineering)
    - Returned to The Whirlpool Corporation
- Nicole Perrelli (August 2013 – August 2014, Graduated with a MS Degree in Chemical Engineering)
    - Returned to The Whirlpool Corporation
- Holly Chan (October 2012 – August 2014) , Graduated with a MS Degree in Chemical Engineering)
    - Employed at Acorda Therapeutics, Inc.

## Undergraduate Students Mentored (26 Total, 9 Current)

- Alexander Muller (September 2012 – present), Chemical Engineering, Purdue University
- Stuart Hillsmier (September 2013 – present), Chemical Engineering, Purdue University
- Emily Alcorace (August 2013 – present), Chemical Engineering, Purdue University
- Xiaoqin Zhu (August 2013 – present), Chemical Engineering, Purdue University
- Nicholas Deom (October 2014 – present), Chemical Engineering Purdue University
- Toni Adetayo (January 2015 – present), Chemical Engineering Purdue University
- Alec Bokhart (January 2015 – present), Chemical Engineering Purdue University
- Elizabeth Jergens (January 2015 – present), Chemical Engineering Purdue University
- Michael Steinerd (January 2015 – present), Chemical Engineering Purdue University

Former Undergraduate Students

- Elliot Sepos (August 2011 – December 2012), Chemical Engineering, Purdue University
- Sean Hadley (August 2011 – May 2013), Chemical Engineering, Purdue University

- Adewale Adeyemo (January 2012 – January 2014), Chemical Engineering, Purdue University
- Michael Lehn (February 2012 – May 2013), Chemical Engineering, Purdue University
- Sara Berger (September 2012 – May 2013), Chemical Engineering, Purdue University
- Monica Del Real (May 2013 – January 2014), Chemical Engineering, Purdue University
- Dominic Hurley (August 2013 – May 2014), Chemistry, Purdue University
- Anna Knowles (August 2013 – May 2014), Chemical Engineering, Purdue University
- Lucio Galicia (May 2013 – August 2014), Chemical Engineering, Purdue University
- Yucheng Wang (September 2012 – December 2014), Chemical Engineering, Purdue University
- Matthew Willmore (August 2014 – December 2014), Chemical Engineering, Purdue University
- Si Hui Wong (September 2012 – May 2015), Chemical Engineering, Purdue University
- Krystopher Jochem (January 2013 – May 2015), Chemical Engineering, Purdue University
- Ryan Pitzer (January 2015 – May 2015), Chemical Engineering Purdue University

## High School Students Mentored (7 Total, 2 Current)

- Alexia Umberger (February 2015 – present) from West Lafayette, Indiana
- Veronica Bawling (June 2015 – present) from Lafayette, Indiana

Former High School Students

- Yanqiao Fang (October 2014 – May 2015) from Lafayette, Indiana
- Jamila Abu-omar (October 2013 – May 2015) from West Lafayette, Indiana
- Devon Wolfe (June 2014 – August 2014) from Lafayette, Indiana
- Estivan Carreon (August 2013 – May 2014) from Lafayette, Indiana
- Yasmeen Hafeez (June 2012 – August 2012) from West Lafayette, Indiana