Daniel L. Parr IV
Graduate Research Assistant
daniel-parr@uiowa.edu
University of Iowa

Educational History

August 2016 - May 2020
Ph.D. Chemistry & MS Mathematics
- *Anticipated*
- University of Iowa, Iowa City, IA

Aug. 2012 - May 2016
BS Chemistry & Mathematics
- Bradley University, Peoria, IL

Research Experience

Aug. 2016 - Present
Graduate Research/Teaching Assistant
- University of Iowa, Iowa City, IA
- *Advisor: Dr. Johna Leddy*

Jan. 2015 - May 2016
Undergraduate Research Assistant
- Bradley University, Peoria, IL
- *Advisor: Dr. Selma Yildirim Yolcu*

Aug. 2013 - May 2016
Undergraduate Research Assistant
- Bradley University, Peoria, IL
- *Advisor: Dr. Luke M. Haverhals*

Publications

3. Lovander, Matthew D.; Lyon, Jacob D.; Parr IV, Daniel L.; Wang, Junnan; Parke, Brenna; and Leddy, Johna. "Critical Review—Electrochemical Properties of 13 Vitamins: A Critical Review and Assessment", *Journal of The Electrochemical Society*, 2018, 165, G18-G49, **https://doi.org/10.1149/2.1471714jes**.

2. Malik, Muhammad Kasim; Chrestenson, Jacob R; Parr, Daniel; Gray, David; Mitiku, H; Kahila, Thomas; Malinowski, Aleksander; Sánchez, José; and Haverhals, Luke M.

"Probing Ionic Liquid/Electrode Interfaces by Hyperspectral Imaging", *ECS Transactions*, 2016, 75, 545-553, **https://doi.org/10.1149/07515.0545ecst**.

1. Parr, Daniel; Chrestenson, Jacob; Malik, Kasim; Molter, Michael; Zibart, Christina; Egan, Bryce; and Haverhals, Luke M. "Structure and Dynamics at Ionic Liquid/Electrode Interfaces", *ECS Transactions*, 2015, 66, 35-42, **https://doi.org/10.1149/06630.0035ecst**.

Presentations - Meetings and Seminars

(**O**: Oral Presentation, **P**: Poster Presentation)
(Presenting Author(s) Underlined)

10. (**P**) Parr IV, Daniel L.; and Leddy, Johna. "Is There an Optimal Waveform for Electrochemical Separation?", **Gordon Research Conference**, 10 January 2018, Ventura, California.

9. (**P**) Parr IV, Daniel L.; and Leddy, Johna. "Is There an Optimal Waveform for Electrochemical Separation?", **Gordon Research Seminar**, 6 January 2018, Ventura, California.

8. (**O**) Parr IV, Daniel L.; and Leddy, Johna. "Is There an Optimal Waveform for Electrochemical Separations?", **University of Iowa, Department of Chemistry, Analytical Seminar**, 26 October 2017, Iowa City, Iowa.

7. (**O**) Haverhals, Luke M.; Malik, Kasim; Chrestenson, Jacob; Parr IV, Daniel L.; Mitiku, H.; Gray, David; Kahila, Thomas; Malinowski, Aleksander; and Sanchez, Jose. "Probing Ionic Liquid/Electrolyte Interfaces by Hyperspectral Imaging", **230th ECS Meeting**, 6 October 2016, Honolulu, Hawaii.

6. (**P**) Parr IV, Daniel L.; and Yolcu, Selma Y. "On the Application of the Eigenvalues of the Dirichlet Laplacian in Shape Recognition", **Bradley University 2016 Student Scholarship Expo**, 13 April 2016, Peoria, Illinois.

5. (**P**) Parr IV, Daniel L.; Chrestenson, Jacob; Malik, Kasim; Gray, David; and Haverhals, Luke M. "On the Structure and Dynamics at Ionic Liquid/Electrode Interfaces", **Bradley University 2016 Student Scholarship Expo**, 13 April 2016, Peoria, Illinois.

4. (**O**) Parr IV, Daniel L.; Malik, Kasim; Chrestenson, Jacob; Gray, David; and Haverhals, Luke M. "On the Structure and Dynamics at Ionic Liquid/Electrode Interfaces", **Bradley University Senior Seminar**, 31 March 2016, Peoria, Illinois.

3. (**P**) Parr IV, Daniel L.; Meunier, Carl.; Roberts, Ethan.; Remsen, Edward.; and Haverhals, Luke M. "Studies of Mass Transport in Semiconducting Thin Film Electrodes", **228th ECS Meeting**, 10 October 2015, Phoenix, Arizona.

2. (**P**) Parr IV, Daniel L.; Chrestenson, Jacob; Malik, Kasim; and Haverhals, Luke M. "Analyses of Microstructure at Electrode/Electrolyte Interfaces", **228th ECS Meeting**, 10 October 2015, Phoenix, Arizona.

1. (**P**) Parr IV, Daniel L.; Molter, Michael; Malik, Kasim; Chrestenson, Jacob; Zibart, Christina; Egan, Bryce; and Haverhals, Luke M. "Characterization of the Double Layer by Time Resolved Surface Enhanced Ftir Spectroscopy", **227th ECS Meeting**, 26 May 2015, Chicago, Illinois.

Service

Committees for Professional Societies

- Electrochemical Society
  - *Education Committee*, **2017 - Present**
  - *Student Liaison to the Publications Subcommittee*, **July 2016 - Present**

Other

- Electrochemical Society Student Chapter at The University of Iowa
  - President, **Aug 2017 - Present**
  - Vice President, **Jul 2017 - Present**
  - Secretary, **July 2017 - Present**

Awards Received

- Eagle Scout, **Fall 2011**
- 2016 Kenneth E. Kolb - Kurt W. Field Undergraduate Research Award, **Spring 2016**
- University of Iowa, Department of Chemistry, Teaching Assistant Award, **Spring 2018**
- University of Iowa, Graduate College, Post-Comprehensive Research Fellowship, **Fall 2018**

Memberships

- Electrochemical Society, **2015 - Present**
  - Education Committee, 2017 - 2019
- Society for Industrial and Applied Mathematics, **2017 - Present**