

HONORS

- Third Place Best Poster
27th Preparative and Process Chromatography meeting July 2014
- Eastman Chemical Travel Awards March 2014
- Best Poster Honorable Mentions
26th Preparative and Process Chromatography meeting July 2013

SKILLS

- Chromatography techniques (AKTA and HPLC)
- Hydrogen-Deuterium Exchange Mass Spectrometry (HXMS)
- Dynamic Light Scattering (DLS)
- Confocal Laser Scanning Microscopy (CLSM)
- Circular Dichroism (CD)
- Fourier Transform Infrared Spectroscopy (FTIR)

PUBLICATIONS

4. J. Guo, A.D. Creasy, G. Barker, G. Carta, Surface induced three-peak elution behavior of a monoclonal antibody during cation exchange chromatography, *J. Chromatogr. A* 1474 (2016) 85-94
3. J. Guo, G. Carta, Unfolding and Aggregation of Monoclonal Antibodies on Cation Exchange Columns: Effects of Resin Type, Load Buffer, and Protein Stability, *J. Chromatogr. A* 1388 (2015) 184–194.
2. J. Guo, G. Carta, Unfolding and aggregation of a glycosylated monoclonal antibody on a cation exchange column Part II Protein structure effects by hydrogen deuterium exchange mass spectrometry, *J. Chromatogr. A* 1356 (2014) 129–137.
1. J. Guo, S. Zhang, G. Carta, Unfolding and aggregation of a glycosylated monoclonal antibody on a cation exchange column Part I Chromatographic elution and batch adsorption behavior, *J. Chromatogr. A* 1356 (2014) 117–128.

CONFERENCES

4. Oral presentation: “Unfolding and Aggregation of Monoclonal Antibodies on Cation Exchange Columns – Insights from DLS, CLSM, and HX-MS (and CD)”, J. Guo, S. Zhang, G. Carta, EMD Millipore Ion Exchange User Group Meeting, Tiburon, CA, November, 2014
3. Poster presentation: “On-Column Unfolding and Aggregation of a Glycosylated Monoclonal Antibody in Columns Packed with Different CEX Resins”, J. Guo, G. Carta, 27th Preparative and Process Chromatography meeting, Boston, MA, July, 2014
2. Oral presentation: “Antibody aggregation and unfolding on CEX chromatography media”, J. Guo, E. Fernandez, J. O’Connell, G. Carta, BIOT session, 247th American Chemical Society (ACS) National Meeting, Dallas, TX, March, 2014
1. Poster presentation: “Characterization of Antibody Aggregation and Unfolding on Cation Exchange Chromatography Media”, J. Guo, E. Fernandez, J. O’Connell, G. Carta, 26th Preparative and Process Chromatography meeting, Boston, MA, July, 2013