

19th Sep 2022

07:30-08:30	Registration
08:30-08:45	CASSS Welcome and Introductory Comments Symposium Co-Chair: Tara Enda
08:45-09:45	Keynote Session Session Chairs: Tara Enda, David Michels Speakers: <i>Preparative Capillary Electrophoresis: Fraction Collection for Nucleic Acid Bacterial and Viral Analysis</i> Norm Dovichi
09:45-10:00	CE Pharm Award David Michaels
10:00-10:30	Networking Break
10:30-12:00	Session I: Method Development and Optimization Session Chairs: Timothy Blanc, Göran Hübner Speakers: <i>Aptamer Selection Using a Microscale Electrophoretic Filtration Device</i> Kenjij Sueyoshi <i>The New Kid on the SCIEX Block: An Assessment of the Higher-Throughput BioPhase 8800 Instrument For Purity and Fragment Analysis</i> Doug Johnson <i>The Influence of ϵ-Aminocaproic Acid (eACA) on Capillary Zone Electrophoresis (CZE) Monoclonal Antibody Separations: An Interlaboratory Study</i> Rebecca Wiesner
12:00-13:30	Lunch and Learn: Technical Seminar from BioTechne Session Speakers: <i>Innovation x 2 from ProteinSimple</i> Chris Heger and Kefei Wang
13:30-15:00	Session II: Therapeutic Protein Characterization Session Chairs: Mark Lies, John Valliere-Douglass Session Speakers: <i>Identification of a CE-SDS Shoulder Peak as Disulfide-Linked Fragments From Common CH2 Cleavages in IgGs and IgG-Like Bispecific Antibodies</i> Kristin Schultz-Kuszek <i>Charge Variant Characterization of Therapeutic Proteins using Preparative iCIEF and Mass Spectrometry</i> Qi Wang <i>The Effect of Glycosylation on Peak Resolution of Antibodies on SCIEX BioPhase 8800 cSDS System</i> Chelsea Leonce
15:00-15:30	CE Pharm Exhibitor Partner Showcase Introing: Nate Lacher
15:30-16:00	Networking Break
16:00-17:00	Roundtable Session I

17:00-
18:00

Exhibitor Reception

20th Sep 2022

08:30-09:00	Session III: Vaccines Session Chairs: Kathir Muthusamy, Kristin Schultz-Kuszk Session Speakers: <i>Development of a Microchip Capillary Electrophoresis Method for Determination of the Purity and Integrity of mRNA in Lipid Nanoparticle Vaccines</i> Jessica Rafaele <i>Development of an SDS-CGE Method for Purity Determination of Acellular Bordetella Pertussis Vaccines</i> Michael Leach <i>Use of Capillary Electrophoresis for High Throughput mRNA Integrity Analysis</i> Gaofei He
09:00-10:00	
10:00-10:30	Networking Break
10:30-11:30	Roundtable Session II
11:30-12:30	Poster Session
12:30-14:00	Lunch and Learn: Technical Seminar from SCIEX Session Speakers: <i>Industry Case Studies on Improving Developability Assessment of mAb and mAb Variants Using Next-Generation CE Technology</i> Chelsea Leonce and Jason Barker
14:00-15:00	Emerging Professionals Showcase Session Chairs: Tara Enda, Göran Hübner Session Speakers: <i>Development of CE and Droplet Microfluidics-MCE Assays for the Identification of Sirtuin-5 Inhibitors</i> Cara D'Amico <i>Generic CE Methods for Charge Variant Analysis of mAbs and Complex Biotherapeutics</i> Maximilian Meudt <i>Characterizing mAbs, Bi-Specific Antibodies, and ADC Molecules' Purity and Stability by CE-SDS, icIEF, and CE-MS</i> Achala Punci Hewage Capillary Isoelectric Focusing-Mass Spectrometry With Ultrahigh Resolution for Characterizing Microheterogeneity and Isoelectric Points of Intact Protein Complexes Tian Xu
15:00-15:30	Networking Break
15:30-17:00	Session IV: CE-MS Session Chairs: Mei Han, Bernd Moritz Session Speakers: <i>Biopharmaceutical Applications of CE-MS Using the nanoCEasy Interface</i> Christian Neusüß <i>Detection and Identification of Impurities Present in Novel Protein Therapeutics by CE and CE-MS</i> Lin Zeng <i>Rapid Analysis of Oligonucleotides by High-Resolution Accurate Mass CE-MS</i> Daniel Waldera-Lupa

21st Sep 2022

08:30-09:00	Spotlight Talk Introduction: Tara Enda Session Speaker: <i>Capillary Electrophoresis-Mass Spectrometry for Future Life Detection Missions</i> Miranda Kok
09:00-10:00	Session V: Regulatory Trends Session Chairs: Timothy Blanc, Mohamed Dawod Session Speakers: <i>What's in a KASA?: Knowledge-Aided Assessment and Structured Application (KASA) for Biological Products</i> Joel Welch <i>Development and Characterization of Reference Standards to Support Analysis of Charge Variants</i> Niomi Peckham
10:00-10:30	Networking Break
10:30-12:00	Troubleshooting Workshop Co-leads: Tim Blanc, Rebecca Wiesner, Kristin Schultz-Kuszak, Hermann Watzig
12:00-13:30	Hosted Lunch
13:30-15:00	Session VI: Advancements, Innovations and New Modalities Session Chairs: Nathan Lacher, David Michaels Session Speakers: <i>Characterization of Lentiviral Vector Quality Attributes Using Capillary Electrophoresis (CE) Platform Technology</i> Aaron Shafer <i>Identifying Nucleic Acids by using PNA Probes</i> Andrei Hutanu <i>Advances in Capillary Electrophoresis (CE) Analytical Techniques Are Enabling the RNA Vaccine Revolution</i> Andrew Geall
15:00-15:15	Closing Remarks Göran Hübner