

**BREAKFAST SEMINAR - LOCATION: ROOM 342AB- GEORGE R BROWN CONVENTION CENTER**

▶ Location: Room 342AB- George R Brown Convention Center

**Protein Characterization of Biologics Using Microchip CE-MS: From mAbs to AAVs**

Presented by Dr. Jonathan Bones and Dr. Josh Smith, NIBRT

Register to attend [908devices.com/asms](http://908devices.com/asms) Registration is not required but seating is limited.

MONDAY  
**JUNE 5**  
 7:00-8:00 AM

**ORAL PRESENTATION - LOCATION: HALL B3**

▶ Session: Instrumentation: Innovative Separations Approaches Coupled to MS **THOA PM**

**Unifying the Multi-Omics World with Microchip Capillary Electrophoresis: Discovering Secrets in Six Dimensions from One Drop of Dried Blood**

Collaboration: 908 Devices, Duke University

THURSDAY  
**JUNE 8**  
 3:30-3:50 PM

**POSTER PRESENTATION - LOCATION: POSTER HALL**

▶ Session: Glycoproteins I **MP 291**

**Rapid CE-MS Analysis of Released N-Glycan: Optimized Workflow for Direct CE Compatibility**

Collaboration: 908 Devices, NIBRT

MONDAY  
**JUNE 5**

▶ Session: Nanoscale and Microfluidic Separations and MS **MP 547**

**Use Of Microchip Capillary Electrophoresis – Mass Spectrometry for Automated Rapid Measurement of Enzyme Reaction Kinetics**

Collaboration: 908 Devices, Weizmann Institute of Science

MONDAY  
**JUNE 5**

▶ Session: Nanoscale and Microfluidic Separations and MS **MP 548**

**Combining Capillary Electrophoresis and Trapped Ion Mobility Spectrometry Mass Spectrometry to Analyze Epitranscriptomic Marks Mediating Virus-Host Interactions in Infectious Diseases**

Collaboration: 908 Devices, University of Connecticut, Bruker

MONDAY  
**JUNE 5**

▶ Session: Nanoscale and Microfluidic Separations and MS **MP 550**

**Exploring the Possibilities for Microchip SPE-CE-MS**

Presented by 908 Devices

MONDAY  
**JUNE 5**

▶ Session: Protein Therapeutics: Structural Characterization **MP 619**

**Peptide Mapping Workflow for Direct Microchip CE-MS Analysis of Biopharmaceuticals**

Collaboration: 908 Devices, NIBRT

MONDAY  
**JUNE 5**

▶ Session: Informatics: Workflow and Data Management **TP 348**

**Sample to Result Workflow for the Investigation of Biosimilars vs Innovator Cetuximab by Charge Variant Analysis using Microchip CE-MS**

Collaboration: 908 Devices, Protein Metrics, Thermo Fisher Scientific

TUESDAY  
**JUNE 6**

▶ Session: Instrumentation: Mini/Portable/Fieldable MS **TP 398**

**Amino Acid Quantitation of Cell Culture Media Matrices via an Integrated CE-MS Analyzer**

Collaboration: 908 Devices, CPI

TUESDAY  
**JUNE 6**

▶ Session: Metabolomics: Targeted and Quantitative Analysis **TP 489**

**Determination of ATP, ADP, AMP, and Adenosine Levels by Microchip Capillary Electrophoresis Coupled with High Resolution Mass Spectrometry**

Collaboration: 908 Devices, Avive Labs

TUESDAY  
**JUNE 6**

▶ Session: Nucleic Acids and Oligonucleotides I **TP 532**

**Continuing the Investigation of Microchip Capillary Electrophoresis Coupled with Mass Spectrometry in the Bottom-Up Characterization of Progressively Larger RNAs**

Collaboration: 908 Devices, University of Connecticut, Bruker

TUESDAY  
**JUNE 6**

**POSTER PRESENTATION - LOCATION: POSTER HALL (CONTINUED)**

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| <p>▶ Session: Peptides: Targeted and Quantitative Analysis <b>TP 544</b></p> <p><b>Fast Screening and Characterization of Therapeutic Peptide by Online Capillary Electrophoresis - Mass Spectrometry (CE-MS)</b></p> <p>Collaboration: 908 Devices, Ningbo University</p>   | <p><b>TUESDAY</b><br/><b>JUNE 6</b></p>   |
| <p>▶ Session: Antibodies &amp; Antibody Drug Conjugates II <b>WP 040</b></p> <p><b>Conformation of Native Antibody-Drug Conjugate Charge Variants Revealed by Microchip Capillary Electrophoresis Coupled with Trapped Ion Mobility</b></p> <p>Collaboration: 908 Devices, University of Wisconsin-Madison, Bruker</p> | <p><b>WEDNESDAY</b><br/><b>JUNE 7</b></p> |
| <p>▶ Session: Antibodies &amp; Antibody Drug Conjugates II <b>WP 041</b></p> <p><b>Rapid Identification of Conjugation Sites in Antibody Drug Conjugates Using Microchip Capillary Electrophoresis Coupled with Mass Spectrometry</b></p> <p>Collaboration: 908 Devices, Bruker</p>                                    | <p><b>WEDNESDAY</b><br/><b>JUNE 7</b></p> |
| <p>▶ Session: Antibodies &amp; Antibody Drug Conjugates II <b>WP 045</b></p> <p><b>Investigation of Drug-To-Antibody Ratio for FORCE Oligonucleotide Conjugates Using Microchip CE-MS</b></p> <p>Collaboration: 908 Devices, Dyne Therapeutics</p>   | <p><b>WEDNESDAY</b><br/><b>JUNE 7</b></p> |
| <p>▶ Session: Viruses and Virus-Like Particles <b>WP 730</b></p> <p><b>In-depth Characterization of Adeno-Associated Viruses using Microchip Capillary Electrophoresis Coupled with Mass Spectrometry</b></p> <p>Collaboration: 908 Devices, NIBRT</p>   | <p><b>WEDNESDAY</b><br/><b>JUNE 7</b></p> |
| <p>▶ Session: Glycoproteins I <b>THP 175</b></p> <p><b>Ultra-High-Throughput Microchip CE-MS Quantitative Glycomics Enabled by 18-plex Isobaric Multiplex Labeling Reagents for Carbonyl-Containing Compound (SUGAR) Tags</b></p> <p>Collaboration: 908 Devices, University of Wisconsin-Madison</p>                   | <p><b>THURSDAY</b><br/><b>JUNE 8</b></p>  |
| <p>▶ Session: High Throughput MS II <b>THP 248</b></p> <p><b>Multi-omic Analyses Enabled by Microchip Capillary Electrophoresis and Trapped Ion Mobility Mass Spectrometry</b></p> <p>Collaboration: 908 Devices, University of Wisconsin-Madison</p>  | <p><b>THURSDAY</b><br/><b>JUNE 8</b></p>  |
| <p>▶ Session: Nucleic Acids and Oligonucleotides II <b>THP 575</b></p> <p><b>5' mRNA Analysis By Microchip CE-MS Using an Internal Cleavage Motif for RNase H Digestion</b></p> <p>Collaboration: 908 Devices, Thermo Fisher Scientific</p>  | <p><b>THURSDAY</b><br/><b>JUNE 8</b></p>  |
| <p>▶ Session: Peptides: PTM Identification <b>THP 609</b></p> <p><b>Improved Performance of Phosphopeptides Characterization Using Online Capillary Electrophoresis Coupling with Ion Mobility Mass Spectrometry (CE-IM-MS)</b></p> <p>Collaboration: 908 Devices, Ningbo University</p>                               | <p><b>THURSDAY</b><br/><b>JUNE 8</b></p>  |
| <p>▶ Session: Process Development MS <b>THP 625</b></p> <p><b>Amino Acid Quantitation in over 50 Mammalian Cell Culture Media with an Integrated CE-MS Analyzer</b></p> <p>Presented by 908 Devices</p>  | <p><b>THURSDAY</b><br/><b>JUNE 8</b></p>  |

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