



## October 21st – Pre-Symposium Workshop, Novel & Advanced Applications

Time	Description
07:00 – 17:00	<b>Registration</b>
07:00 – 08:00	<b>HealthNut Continental Breakfast Bar</b> – Covered Patio
08:00 – 12:00	<b>Pre-Symposium Workshop</b> – For laboratory researchers who want to familiarize themselves with the technique, related tips and tricks, in an environment open to questions and discussion.
08:00 – 08:45	<b>Theory of CESI-MS</b>
08:45 – 09:30	<b>Basic CESI Operation and Maintenance</b>
09:30 – 09:50	<b>Break</b>
09:50 – 10:20	<b>Peptide Analyses</b>
10:20 – 10:50	<b>Intact Protein Analyses</b>
10:50 – 11:20	<b>Small Molecule Analyses</b>
11:20 – 12:00	<b>Tips and Tricks for Success</b>
12:00 – 13:00	<b>Lunch</b>
13:00 – 13:15	<b>Welcome and Introduction</b> <i>Professor Jennifer Van Eyk, Cedars-Sinai Medical Center, USA</i> <i>Professor John Yates III, The Scripps Research Institute, USA</i>
13:15 – 16:45	<b>Novel &amp; Advanced Applications</b>   <i>Session Chair: Professor Neil Kelleher</i>
13:15 – 13:45	<b>Imaging Laser Induced Fluorescence Detection at the Taylor Cone of Electrospray Ionization Mass Spectrometry</b> <i>Professor Andras Guttman, University of Debrecen, Hungary</i>
13:45 – 14:15	<b>Development of Capillary Electrophoresis Electrospray Ionization Mass Spectrometry Methods and Hardware for Spaceflight Missions of Exploration</b> <i>Dr. Fernanda Mora, NASA Jet Propulsion Laboratory, USA</i>
14:15 – 14:45	<b>CESI-MS of Small Molecules for Agricultural and Environmental Science</b> <i>Dr. Spencer Walse, USDA, Agricultural Research Service, USA</i>
14:45 – 15:45	<b>Poster Session</b>
15:45 – 16:15	<b>Metabolic Profiling of Low Numbers of Mammalian Cells by CESI-MS</b> <i>Assistant Professor Rawi Ramautar, Leiden Academic Center for Drug Research, The Netherlands</i>
16:15 – 16:45	<b>Single Cell Analysis by CESI-MS</b> <i>Dr. Jolene Diedrich, The Scripps Research Institute, La Jolla, USA</i>
16:45 – 16:55	<b>Concluding Remarks – Day One</b> <i>Professor Jennifer Van Eyk, Cedars-Sinai Medical Center, USA</i> <i>Professor John Yates III, The Scripps Research Institute, USA</i>

### NETWORK WITH YOUR PEERS

October 21st, beginning at 18:00

Join us for a networking reception in the grove,  
 at the beautiful La Jolla Sheraton Hotel.



## October 22nd – Biologics and Proteomics

Time	Description
07:00 – 13:00	<b>Registration</b>
07:00 – 08:00	<b>Del Mar Breakfast</b> – Covered Patio
08:00 – 08:15	<b>Welcome and Introduction</b> <i>Professor Jennifer Van Eyk, Cedars-Sinai Medical Center, USA</i> <i>Professor John Yates III, The Scripps Research Institute, USA</i>
08:15 – 09:45	<b>Biologics</b>   <i>Session Chair: Professor Herbert Lindner</i>
08:15 – 08:45	<b>Is the Signature Peptide for Quantification a Thing of the Past? Using CESI-MS to Quantify mAbs with a Pseudo Intact or Intact Approach</b> <i>Richard Snell, GSK, UK</i>
08:45 – 09:15	<b>Charge Variant Analysis by CESI-MS</b> <i>Dr. Fang Wang, SCIEX, USA</i>
09:15 – 09:45	<b>CESI-MS for the In-depth Characterization of (Heavily) Glycosylated Proteins</b> <i>Assistant Professor Rob Haselberg, Vrije Universiteit, Amsterdam, NL</i>
09:45 – 10:30	<b>Poster Session</b>
10:30 – 12:30	<b>Proteomics</b>   <i>Session Chair: Assistant Professor Rob Haselberg</i>
10:30 – 11:00	<b>Sheathless Capillary Zone Electrophoresis For Top-down and Bottom-up Proteomics</b> <i>Professor John Yates III, The Scripps Research Institute, USA</i>
11:00 – 11:30	<b>Enhancing Proteomic Throughput by CESI-MS</b> <i>Dr. Klaus Faserl, Innsbruck Medical University, Austria</i>
11:30 – 12:00	<b>Ultra-Sensitive Glycomic and Proteomic Profiling of Limited Biological and Clinical Samples Using CZE Coupled to Mass Spectrometry via CESI Interface</b> <i>Associate Professor Alexander Ivanov, Northeastern University, USA</i>
12:00 – 12:30	<b>Ultrasensitive Determination of Modified Nucleotides by Sheathless Interfaced Capillary Electrophoresis-Tandem Mass Spectrometry</b> <i>Professor Xin-Xiang Zhang, Peking University, China</i>
12:30 – 13:30	<b>Tapatio Lunch and Poster Session</b>
13:30 – 15:30	<b>Proteomics</b>   <i>Session Chair: Dr. Spencer Walse</i>
13:30 – 14:00	<b>Native Capillary Electrophoresis Top-down Mass Spectrometry for Characterization of Proteoforms and Their Complexes</b> <i>Professor Neil Kelleher, Northwestern University, USA</i>
14:00 – 14:30	<b>Advances in the Separation of Co- and Post-translational Protein Modifications Using CE-MS</b> <i>Professor Herbert Lindner, Innsbruck Medical University, Austria</i>
14:30 – 15:00	<b>Uncovering Proteomic Changes During Embryonic Neural Induction Through Ultrasensitive Mass Spectrometry</b> <i>Dr. Aparna B. Baxi, University of Maryland, USA</i>
15:00 – 15:30	<b>Next Stage Personalized Medicine: Automation and High Content Proteomics</b> <i>Professor Jennifer Van Eyk, Cedars-Sinai Medical Center, USA</i>
15:30 – 16:00	<b>Break &amp; Poster Teardown</b>
16:00 – 16:30	<b>Poster Awards</b> – <i>Assistant Professor Rob Haselberg, Vrije Universiteit, Amsterdam, NL</i>
16:30 – 16:45	<b>2020 Announcement</b>
16:45 – 17:00	<b>Closing Remarks and Adjourn</b> <i>Professor Jennifer Van Eyk, Cedars-Sinai Medical Center, USA</i>