Oral Presentations

Monday, June 4

10:10 AM, Hall D
Acoustic-OPP-MS: the Next Generation BioAnalytical Platform for Drug Discovery with Ultra-High Throughput
Hui Zhang1; Chang Liu2; Jianhua Liu1; Wenyi Hua1; Tom Covey3; Luke Ghislain1; Sammy Datwani1; Timothy Foley1; John Janiszewski1; Matt Troutman1; Don Arnold2
1Pfizer Inc.; 2SCIEX; 3Labcyte

03:50 PM, Ballroom 6A Upper Level
Capillary Electrophoresis Analysis of Anionically Tagged N-linked Carbohydrates by Simultaneous LIF and MS Detection
Andras Guttman1; Mate Szarka2; Marton Szigeti3
1SCIEX; 2Horvath Csaba Laboratory of Bioseparation Sciences, Hungary

Tuesday, June 5

3:10 PM, Ballroom 20BC Upper Level
John F. Cahill1; Vilmos Kertesz1; Tiffany Porta2; J.C. Yves LeBlanc1; Ron M.A. Heeren2; Gary J. Van Berkel3
1Oak Ridge National Laboratory; 2M4I Institute, Netherlands; 3SCIEX

Wednesday, June 6

9:50 AM, Ballroom 20A Upper Level
Probing Structures Various Cyclosporin Analogues Using Differential Mobility Spectroscopy, Collision Induced Dissociation and Gas-Phase Hydrogen-Deuterium Exchange
J. Larry Campbell1, 2; K. H. Brian Lam1, 2; J. C. Yves LeBlanc1; Tim Hoffman1
1SCIEX; 2York University

Poster Presentations listing starts on next page →


Poster Presentations

All posters are located in the Posters/Exhibit Hall
Odd-number posters present 10:30-11:30 AM & 12:30-2:30 PM; Even-number posters present 10:30 AM-12:30 PM & 1:30-2:30 PM

Monday, June 4

#044
Characterization of Intact Monoclonal Antibodies Under Native and Reverse Phase Conditions Using High Resolution Mass Spectrometry
Ryo Yokoyama1; Sibyle Heidelberger2; Annu Uppal3
1SCIEx Japan; 2SCIEx United Kingdom; 3SCIEx India

#053
Monitoring of Sequence Variants by MAM Using High Resolution Mass Spectrometry
Kerstin Pohl1; Yihan Li2; Sibyle Heidelberger4
1SCIEx Germany; 2SCIEx; 3SCIEx India; 4SCIEx United Kingdom

#126
Simplifying the Use of Ion Libraries During Data Processing of Data Independent Acquisition Proteomics Data
Arianna I Jones1; Matt Huebsch1; Christie Hunter1; Kathleen Lewis1; Adam Lau1; Nick Morrice3; Sara Ahadi3
1SCIEx; 2SCIEx United Kingdom; 3Stanford

#173
Acoustic-Open Port-Mass Spectrometry (AOMS) Enabled HTS: Assay Development for Choline Transporter (CHT) Uptake Function Assessment
Wenyi Hua1; Lorraine Lanyon1; Julie Keeferp1; Claire M Steppan1; Chang Liu3; Tom Covey2; Hui Zhang1
1Pfizer Inc.; 2SCIEx

#192
A High-Throughput Mass Spectrometry Plate-Reader: Acoustic Droplet Ejection to an Open-Port Probe Sampling Interface
Chang Liu1; Hui Zhang2; Lucien Ghislain3; Jianhua Liu4; Wenyi Hua2; Timothy Foley4; Sammy Datwani4; Don Arnold4; Thomas R Covey1
1SCIEx; 2Pfizer Inc.; 3Labcyte

#226
Analysis of the Novel PFOA-Replacement Compound, GenX, by High Resolution and Triple Quadrupole Mass Spectrometry
Simon Roberts; Craig Butt; Robert Di Lorenzo; April Quinn-Paquet; Christopher Borton; Katherine Hyland
SCIEx

#257
Simultaneous Quantitation of Fat Soluble Vitamins in Infant Milk Formulae Using 5500 QTRAP® LC-MS/MS System
Alka Verma1; Anoop Kumar1; Jianru Stahl-Zeng2; Manoj Pillai1
1SCIEx India; 2SCIEx Germany

#259
Comprehensive Cannabis Analysis to Meet the Stringent Limits of Canadian Pesticide Regulations Using the SCIEX QTRAP® 6500+ System
Robert Di Lorenzo1; Diana Tran1; Katherine Hyland1; Simon Roberts1; Scott Krepich2; Paul Winkler1; Craig Butt1; April Quinn-Paquet1; Christopher Borton1
1SCIEx; 2Phenomenex
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Monday, June 4 (continued)

#287
Screening and Quantitation in Food Matrices Using Combined SWATH® Acquisition + IDA
David Cox¹; Jeffery Rivera¹; Holly Lee¹; Janna Anichina¹; Jianru Stahl-Zeng²; Julia Jasak²; Vanaja Raguvaran¹
¹SCIEX; ²SCIEX Germany

#289
Multi-Residue Pesticides Analysis Using Scheduled MRM on SCIEX Triple Quad™ 3500 in Mango and Onion
Anoop Kumar
SCIEX India

#353
Extraction of Maximum Information from DIA (SWATH® Acquisition MS) in a Spectral Library Free Manner
Jamie Sherman; Adam Lau; Stephen A Tate
SCIEX

#354
Scanning SWATH® Acquisition Method for Improved Compound Screening
David Cox; Gordana Ivosev; Nic Bloomfield; J.C. Yves LeBlanc
SCIEX

#424
Evaluation of Novel Software Tools for Automating Metabolomic Flux, Kinetics and Pathway Mapping
Baljit Ubhi¹; Loren Olson¹; Deepak Sharma²; Kanika Sori²; Raghav Seghal²; Abhishek Jha²
¹SCIEX; ²Elucidata

#542
Limiting the Manual Verification of Metabolomics Data Processing from DIA Data
Matthew Huebsch; Adam Lau; Stephen A Tate
SCIEX

#543
Microflow Metabolomics Differentiates Pre-Classified Healthy and Cancer Samples
Khatereh Motamedchaboki; Baljit K. Ubhi; Erika Lin
SCIEX

#544
CESI-MS - A Sensitive and Versatile Approach for Metabolomics
Esme Candish¹; Stephen Lock²; Yunan Wang³; Mei Han³
¹SCIEX; ²SCIEX United Kingdom; ³Amgen

#546
Strategies for Detection and Quantification of Metabolites in SWATH® Acquisition Analysis
Pradeep Narayanaswamy¹; Adam Lau²; Lyle Burton²; Stephen Tate²
¹SCIEX Singapore; ²SCIEX
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Monday, June 4 (continued)

#551
Metabolite Profiling in Fruit Juice Using X500B QTOF System for Determining its Antioxidant Activity
Akanksha Singh1; Vijayanand B.N.2; Dipankar Malakar3; Manoj Pillai2
1SCIEX India; 2ITC Life Sciences and Technology Centre, India

#597
An Extensive Evaluation of Column Chemistries to Retain Biologically Relevant Metabolites for Targeted Metabolomics Analyses
Si Mou; Lei Xiong; Baljit K. Ubhi
SCIEX

#624
Data Independent Acquisition Improves Metabolite Coverage over Traditional Data Dependent Techniques for Untargeted Metabolomics
Zuzana Demianova1; Cyrus Papan1; Joerg Dojahn1; Baljit K. Ubhi2
1SCIEX Germany; 2SCIEX

Tuesday, June 5

#130
Quantitative Analysis of Dicamba and Related Acid Herbicides and Metabolites
Paul Winkler1; Katherine Hyland1; Scott Krepich2
1SCIEX; 2Phenomenex

#134
Analysis of the Entire California List of Pesticides in a Single Injection Using the SCIEX DuoSpray™ Source
Diana Tran1; Robert Di Lorenzo1; Scott Krepich2; Paul Winkler2; Katherine Hyland1; Christopher Borton1
1SCIEX; 2Phenomenex

#387
Multiple-Corona H2/N2 Ion Source for AP GC-MS Coupling Stages
Steffen Bräkling1; Walter Wißdorf1; Hendrik Kersten1; Thorsten Benter1; Bradley B. Schneider2; Tom Covey2; Peter Kovarik2
1Bergische Universität Wuppertal, Germany; 2SCIEX

#397
A New Platform for High-Throughput Mass Spectrometry: Acoustic Droplet Ejection with an Open Port Probe Sampling Interface
Lucien Ghislain1; Chang Liu2; Don Arnold3; Sammy Datwani1
1Labcyte Inc.; 2SCIEX; 3Verstad, LLC
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Tuesday, June 5 (continued)

#426
Using Differential Mobility Spectrometry and Machine Learning-Based Modelling to Predict Physicochemical Properties of Molecules
J. Larry Campbell\textsuperscript{1}; W. Scott Hopkins\textsuperscript{2}; Zack Bowman\textsuperscript{2}; J.C. Yves LeBlanc\textsuperscript{1}; Bradley B. Schneider\textsuperscript{1}
\textsuperscript{1}SCIEX; \textsuperscript{2}University of Waterloo

#446
High Resolution Selected Reaction Monitoring Based Quantification of Phospholipids Using Unit Mass SWATH\textsuperscript{®} Acquisition and Targeted Data Processing
Michel Raetz\textsuperscript{1}; Eva Duchoslav\textsuperscript{2}; Ron Bonner\textsuperscript{3}; Gérard Hopfgartner\textsuperscript{3}
\textsuperscript{1}Life Sciences Mass Spectrometry, University of Geneva, Switzerland; \textsuperscript{2}SCIEX; \textsuperscript{3}Ron Bonner Consulting

#494
An Infusion “Shotgun” Approach for High-Throughput Untargeted Metabolomics
Mariateresa Maldini\textsuperscript{1}; Baljit K. Ubhi\textsuperscript{2}
\textsuperscript{1}SCIEX Italy; \textsuperscript{2}SCIEX

#640
Improved Identification of Multiple Phosphorylation Sites Using CESI-MS in Comparison to Conventional Nano LC-MS System
Faraz Rashid\textsuperscript{1}; Dipankar Malakar\textsuperscript{1}; Prashant Dour\textsuperscript{1}; Manoj Pillai\textsuperscript{1}; Stephen Lock\textsuperscript{3}; Anindita Paul\textsuperscript{4}; Dipanjan Chakrabarti\textsuperscript{4}; Maitreyee DasGupta\textsuperscript{5}
\textsuperscript{1}SCIEX India; \textsuperscript{2}SCIEX United Kingdom; \textsuperscript{3}Department of Biochemistry, University of Calcutta, India

#708
Protein Identification by Limited Trypsin Digestion and Mass Spectrometry
Feifei Zhao\textsuperscript{1}; Eric Dziekonski\textsuperscript{2}; Scott A McLuckey\textsuperscript{1}
\textsuperscript{1}Purdue University; \textsuperscript{2}SCIEX

#733
Applying Scheduled MRM\textsuperscript{HR} Strategy for Glycolysis Enzyme Quantitation Based on SCIEX TripleTOF\textsuperscript{®} 5600+ System
Chen Chen; Ji Luo; Lihai Guo; Wenhai Jin
SCIEX China

#740
Effect of Supercharging Reagents in Protein Identification
Faraz Rashid\textsuperscript{1}; Dipankar Malakar\textsuperscript{1}; Amit Kumar Dey\textsuperscript{2}; Bhok Kuma\textsuperscript{2}; Tushar Kanti Maity\textsuperscript{2}; Manoj Pillai\textsuperscript{1}
\textsuperscript{1}SCIEX India; \textsuperscript{2}Regional Centre for Biotechnology, India

#758
Top-Down Sequencing of Immunoglobulin Using Electron Capture Dissociation – Time of Flight Mass Spectrometer Combined with Online Disulfide Bond Reduction
Takashi Baba; J.C. Yves LeBlanc; Pavel Ryumin; Bill Loyd
SCIEX
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**Tuesday, June 5** (continued)

#767
Highly Selective Bioanalytical Quantitation Method for Analysis of R and S Amlodipine Enantiomers in Human Plasma Using LC-MS/MS
Rahul Baghla¹; Ian Moore¹; Sahana Mollah¹; Matthew Brusius²; Marc Jacob²
¹SCIEX; ²Phenomenex

#777
Linear Dynamic Range Improvement in MS/MS Mode on X500® QTOF System
Feng Zhong; Suya Liu; Wen Jin; Doug Simmons; Nic G Bloomfield
SCIEX

#780
Acoustic-Open Port-Mass Spectrometry (AOMS): A New Platform for Ultrafast, Direct Human PK Analysis without Sample Preparation
Wenyi Hua¹; Chang Liu²; Jianhua Liu¹; Thomas Covey²; Hui Zhang¹
¹Pfizer Inc.; ²SCIEX

#781
Improved Sensitivity for LC-MS Quantitation of Pharmaceutical Compounds in Human Plasma with MicroLC Using a New Microflow Source Design
Ian Moore; Carmai Seto; Tom Biesenthal
SCIEX

#782
Simultaneous Quantitation/Profiling of Cell Culture Medium Components Using LC-MS/MS
Dilipkumar Reddy Kandula
SCIEX India

#798
Characterizing Flame Retardant-Induced Neurotoxicity in an Human Embryonic Stem Cell hESC Differentiation Model Using Proteomics and Transcriptomics
Christie Hunter¹; Hao Chen²; Katherine Williams³; Christopher Yan³; Joshua Robinson²
¹SCIEX; ²University of California San Francisco

#809
Picogram Detection of the Marijuana Metabolite THC-COOH in Hair Samples Using an Efficient and Sensitive LC-MS/MS Analysis Workflow
Xiang He; Oscar G. Cabrices; Alexandre Wang; Casey Burrows; Adrian Taylor
SCIEX
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Tuesday, June 5 (continued)

#811
Single-Injection Screening of 664 Forensic Toxicology Compounds Using an Innovative Benchtop High Resolution Mass Spectrometer
Oscar G. Cabrices; Alexandre Wang; Xiang He; Holly McCall; Adrian Taylor
SCIEX

Wednesday, June 6

#038
Multi-Attribute Monitoring (MAM) of Oxidized NIST mAb Using BioPharmaView™ Workflow
Harini Kaluarachchi1; Annu Uppal2; Kerstin Pohl3; Sibylle Heidelberger4
1SCIEX; 2SCIEX India; 3SCIEX Germany; 4SCIEX United Kingdom

#044
Sensitive Quantitation of the ADC Trastuzumab Emtansine Free Cytotoxic Drug DM1 in Plasma Using MicroLC-MS
Remco Van Soest; Khatereh Motamedchaboki; Ian Moore
SCIEX

#049
Infliximab Analysis Using High Resolution Mass Spectrometry
Annu Uppal1; Yihan Li2; Sibylle Heidelberger3
1SCIEX India; 2SCIEX; 3SCIEX United Kingdom

#163
Highly Sensitive LC-MS/MS Method for the Quantification of Mometasone Furoate in Human Plasma
Dilipkumar Reddy Kandula; Chandrasekar Madhappan
SCIEX India

#218
Renee N.G Huang1; Jim Scott1; Katherine Hyland2; Steve Tersigni1
1Santa Clara Valley Water District; 2SCIEX

#330
Differentiation of α2,3 and α2,6 Sialic Acid-Linked Glycan Isomers Using Differential Mobility Spectrometry
Catherine S Lane1; Kirsty McManus2; Philip Widdowson3; Sarah A Flowers4; Gerard Powell5; Ian Anderson6; J. Larry Campbell7
1SCIEX United Kingdom; 2Allergan Biologics Limited, United Kingdom; 3Georgetown University; 4SCIEX

#415
Comparing Solution-Phase and Gas-Phase Protein Stability of a Homotetrameric Model System Using Ion Mobility and Differential Mobility Mass Spectrometry
Lucienne Nouchilkan1; Katherine A. Donovan1; Renwick C.J. Dobson2; J.C. Yves LeBlanc3; Derek J. Wilson1
1York University; 2Biomolecular Interaction Centre and School of Biological Sciences, New Zealand; 3SCIEX
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Wednesday, June 6 (continued)

#429
Simultaneous Determination of Four Photocyanine Isomers Using Differential Ion Mobility Tandem Mass Spectrometry and Its Application in Clinical Pharmacokinetic Study
Xin Zheng1; Xinge Cui1; Huaidong Yu2; Ji Jiang3
1Peking Union Medical College Hospital, China; 2SCIEX China

#444
Separation and Analysis of Disaccharides by SCIEX SelexION® Differential Ion Mobility Spectrometry (DMS)
Craig Butt; Christopher Borton; Katherine Hyland
SCIEX

#454
Characterization of Biologic Compounds with Differential Mobility and SWATH® Acquisition
Brendon Seale1,2; Lyle Burton1; J.C. Yves LeBlanc1
1SCIEX; 2York University

#461
Exploring the Figures of Merit of Differential Mobility Spectrometry (DMS) Cells of Varied Geometries
J. Larry Campbell; Bradley B. Schneider
SCIEX

#462
Separation of Intact Protein Isoforms with Differential Mobility
J.C. Yves LeBlanc1; Sibylle Heidelberger2; Annu Uppal3
1SCIEX; 2SCIEX United Kingdom; 3SCIEX India

#464
Influence of Cluster/De-Cluster Reactions on Ion Separation in Differential Mobility Spectrometry (DMS) in Dependence of the Analyte Structure
Florian Stappert1; Christine Polaczek1; Walter Wissdorf1; Hendrik Kersten1; Thorsten Benter1; Bradley B. Schneider2; Tom Covey2
1Bergische Universität Wuppertal, Germany; 2SCIEX

#467
Chemical Kinetic and Ion Transport Simulations: Temperature Dependence of Ion Mobility and Its Impact on Cluster Equilibria
Duygu Erdogdu1; Walter Wissdorf1; Florian Stappert1; Hendrik Kersten1; Thorsten Benter1; Bradley B. Schneider2; Tom Covey2
1Bergische Universität Wuppertal, Germany; 2SCIEX

#478
Electromagnetic Mixer for Low Response Paramagnetic Particles
Chang Liu; Thomas R Covey
SCIEX
**Poster Presentations**

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**Wednesday, June 6** (continued)

#497
Functional Analysis of Lipidomic Alterations by Pathogenic Staphylococci *S. aureus* (USA300)
Naren Gajenthra Kumar1; Daniel Contalfer, Jr2; Paul Baker3; Kim Ekroos4; Kimberly K Jefferson5; Dayanjan Wijesinghe6

1Virginia Commonwealth University; 2Virginia Commonwealth University School of Pharmacy; 3SCIEX; 4Lipidomics Consulting Ltd., Finland; 5Virginia Commonwealth University SOM

#506
Verified HILIC LC-MS/MS Assay for High-Throughput Targeted Lipidomics Analysis
Santosh Kapil Kumar Gorti1; Lijuan Fu2; Mackenzie J Pearson3; Baljit K. Ubhi4; Lei Xiong5; Paul Baker6

1SCIEX

#512
Identification of Lipid Biomarkers in CAD Using a Targeted Liquid Chromatography Mass Spectrometry Approach
Akash Kumar Bhaskar1; Swati Varshney1; Mainak Dutta2; Khushboo Adlakha3; Akanksha Singh4; Dipankar Malakar5; Manoj Pillai6; Shantanu Sengupta7

1CSIR-Institute of Genomics and Integrative Biology, India; 2Birla Institute of Technology Pilani, United Arab Emirates; 3SCIEX India

#522
Differential Mobility Separation (DMS)-Based Separation of Bile Acid Isomers
Joerg Dojahn1; Cyrus Papan2; Dietrich Merkel3

1SCIEX Germany

#523
A Wellness Study Using Microflow Targeted Metabolomics to Investigate the Effects of Diet and Exercise on the Metabolome
Khatereh Motamedchaboki1; Baljit K. Ubhi2

1SCIEX

#539
Drug Metabolite Identification: Increasing the Separation Power of LC-MS with Differential Mobility Spectrometry and Chemical Modifiers
Richard P. Schneider1; Keith Goodman2; Robert Proos3; J. Larry Campbell4; J. C. Yves LeBlanc2

1Pfizer; 2SCIEX

#561
Metabolic Profiling of Central Carbon Metabolism Pathways in Engineered Microorganisms
Bryan Fonslow1; Bradley B. Schneider2; Loren Olson3; Baljit K. Ubhi4; Julia Khandurina5

1Genomatica; 2SCIEX

#629
Using Electrophoretic Injection to Increase Throughput and Improve Sensitivity in the Detection of Proteins by CE-MS
Stephen J. Lock1; Esme Cardish2; Edna Betgovaragez3; Christopher Loessner4

1SCIEX United Kingdom; 2SCIEX; 3SCIEX Germany
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Wednesday, June 6 (continued)

#656
LC/MS Based Quantitation of Intact Therapeutic Protein in Plasma Matrix
Yihan Li; Ian Moore; Fan Zhang; Sahana Mollah
SCIEX

Thursday, June 7

#005
Comparison of Capillary Electrophoresis Electrospray Ionization Mass Spectrometry and Liquid Chromatography Mass Spectrometry for Intact Mass Analysis of Monoclonal Antibody
Dilipkumar Reddy Kandula; Manoj Pillai
SCIEX India

#007
Multi-Attribute Monitoring (MAM) to Identify Differences in Trastuzumab from 2 Manufacturers
Sibylle Heidelberger
SCIEX United Kingdom

#008
BiopharmaView™ Software for Fast and Efficient Monitoring of pH Induced Deamidation
Ji Luo1; Sibylle Heidelberger2; Annu Uppal3
1SCIEX China; 2SCIEX United Kingdom; 3SCIEX India

#011
Characterization of NIST Monoclonal Antibody on Intact, Subunit, and Peptide Level with Monitoring of CQA’s Attributes on the X500B
Chris Nortcliffe1; Annu Uppal1; Sibylle Heidelberger1
1SCIEX United Kingdom; 3SCIEX India

#019
Improved Sensitivity for LC-MS Quantitation of Trastuzumab Emtansine in Rat Plasma with Trap-and-Elute MicroLC Using a New Microflow Source
Khatereh Motamedchaboki; Remco Van Soest; Ian Moore
SCIEX

#140
Development and Optimization of a High-Throughput Open-Port Sampling Interface for Drug Discovery LC-MS/MS Analysis
John Janiszewski1; Brendon Kapinos1; Gary Van Berkel2; Chang Liu3; Thomas R Covey3
1Pfizer; 2Oak Ridge National Laboratory; 3SCIEX
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Thursday, June 7 (continued)

#143
Metabolite Profiling and ID of Cyclic Peptides Using Automated Software Processing and High Resolution Mass Spectrometry
Jinal Patel; Alina Dindyai-Popescu; Xu Guo; Ian Moore
SCIEX

#167
Sensitive Quantitation Method for Analysis of Restricted Synthetic Azo Dyes Used in Textiles
Aman Sharma
SCIEX India

#207
A Robust and Sensitive Method for the Direct Analysis of Polar Pesticides in Food and Environmental Samples
Wim Broer1; Jianru Stahl-Zeng2; Ashley Sage2; Daniel McMillan2
1Nofalab Laboratories, Netherlands; 2SCIEX Germany; 3SCIEX United Kingdom

#223
Improvement for High Sensitivity of the Drug Screening by Thermal Desorption and Pyrolysis Combined with DART-MS (TDP/DART-MS)
Hiroko Abe1; Chikako Takei2; Motoshi Sakakura3; Teruhsita Shiota4; Kayako Suga4; Daishuke Yajima1; Hirotaro Iwase1,6
1University of Chiba, Japan; 2BioChromato, Inc., Japan; 3AMR Inc., Japan; 4SCIEX Japan; 6University of Tokyo, Japan

#240
Ultra-Fast Characterization of Novel Synthetic Opioids Using a Data-Independent Acquisition Analytical Workflow
Alexandre Wang1; Oscar G. Cabrices1; Alex Krotulski2; Amol Kafle1; Xiang He1; Adrian Taylor1
1SCIEX; 2The Center for Forensic Science Research and Education at the Fredric Rieders Family Foundation

#261
Direct Evidence for the Origin of Bis-Gold Intermediates: Probing Gold Catalysis with Mass Spectrometry
Mei Lu1; Yijin Su2; Pengyi Zhao1; Xiaohan Ye1; Yi Cai1; Xiaodong Shi2; Eric Masson1; Fengyao Li1; J. Larry Campbell2; Hao Chen1
1Ohio University; 2University of South Florida; 3SCIEX

#333
Rapid Identification of Complex Constituents in Ganoderma Lucidum Using High Resolution Mass Spectrometry with Targeted and Non-Targeted Processing Workflows
Jing Xu1; Zhenghao Li1; Ting Lu2; Wenhai Jin1; Haijun Wu2
1Shouxiangu Pharma Limited Corporation, China; 2SCIEX China

#340
Molecular Pathology of Surgically Resected Tissue Specimen Based on Lipids Characterization by Laser Microdissection and Liquid Vortex Capture Mass Spectrometry
Tiffany Porta1; John F. Cahill2; J.C. Yves LeBlanc2; Vilmos Kertesz2; Gert B. Eijkel1; Pierre-Maxence Vaysse1; Heike Grabsch1; Steven W.M. Olde Damink1; Gary Van Berkel1; Ron M.A. Heeren1
1M4I Institute, Netherlands; 2Oak Ridge National Laboratory; 3SCIEX; 4Maastricht University Medical Centre, Netherlands
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Thursday, June 7 (continued)

#460
Using Machine Learning to Maintain Instrument Reliability
David Cox; Doina Nyman
SCIEX

#530
Electron Capture Dissociation Device in a Branched RF Ion Trap on a QqToF Platform with Enhanced Duty Cycle
Pavel Ryumin; Takashi Baba; Igor Chernushevich; Bill Loyd
SCIEX

#533
Mapping Desaturase Enzyme Activity in Complex Lipids by Ozone-Induced Dissociation
Stephen J Blanksby1; David L. Marshall1; Berwyck Road1; Angela Criscuolo2, 3, 4; Martin Zeller2; Jan-Peter Hauschild3; Eva Duchoslav4; J. Larry Campbell4; James Broadbent5; Mengxuan Fang5; Gavin E Reid5; Todd W Mitchell5
1Queensland University of Technology, Australia; 2Thermo Fisher Scientific, Germany; 3Center for Biotechnology and Biomedicine, Germany; 4Institute for Bioanalytical Chemistry, University of Leipzig, Germany; 5SCIEX; 6SCIEX Australia; 7University of Melbourne, Australia; 8School of Medicine, Illawarra Health and Medical Research Institute, University of Wollongong, Australia

#557
Enhancing the Performance of Qual/Quant LC-MS Metabolomics Using a Chimeric Collision Cell Including Electron-Based and Collision-Induced Dissociation
Anita O Hidasi1; Takashi Baba2; Gérard Hopfgartner1
1Life Sciences Mass Spectrometry, University of Geneva, Switzerland; 2SCIEX

#567
Using IROA Labeling and Variable Window SWATH® Acquisition to Determine the Relationships and Identity of Coeluting Compounds
Alexander Raskind1; Vanessa Rubio2; Baljit K Ughi3; Timothy Garrett4; Felice de Jong4; Chris Beecher4
1University of Michigan; 2University of Florida; 3SCIEX; 4IROA Technologies LLC

#577
Towards a Complete Non-Linear Peptide MS/MS Characterization
Eva Duchoslav; Xu Guo; Tanmaykumar Desai
SCIEX

#673
Quantitative Profiling of Host Cell Proteins and CHO Proteome in Biotherapeutic mAb Bioprocesses by SWATH® Acquisition MS Using 10,000-Proteins Spectral Library
Chia-Yi L. Liu1; Kae Hwan Sim1; Stephen Tate1; Xuezhi Bi1
1Bioprocessing Technology Institute, Singapore; 2SCIEX
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Thursday, June 7 (continued)

#689
An Immunoaffinity-HRAMS Assay for the Pre-Clinical Quantification of Trastuzumab in Rat Plasma
Jason Causon; Neil Devenport
SCIEX United Kingdom

#809
Exploitation of the Aspartic Acid Effect in Top-Down Protein Identification
David Foreman1; Eric Dziekonski2; Scott A McLuckey1
1Purdue University; 2SCIEX

#825
Impurity Profiling of Amiodarone Stability Study Samples Using DAD and Accurate Mass Analysis with Automated Software Processing
Daniel Warren1; Robert Proos1; Ian Moore1; Matthew Thompson2
1SCIEX; 2Alphora Research Inc.

#832
Employing the SCIEX All-in-One High Resolution MS/MS Spectral Library to Expand Nontargeted Analyses
Katherine Hyland; Oscar Cabrices
SCIEX