

A large banner at the top of the page features a blue and green background with abstract molecular and circuit-like patterns. A large white circle on the right side contains the text "ASMS 2019 Scientific Presentations" in a bold, dark blue font.

ASMS 2019 Scientific Presentations

Oral Presentations

Tuesday, June 4

9:30-9:50 AM, Room B405-407

Development of High Throughput Online Native LC/MS

Chris Nortcliffe* [1]; Esme Candish [2]; Sibylle Heidelberger [1]; Ferran Sanchez [3]; Sean McCarthy [2]
[1] SCIEX United Kingdom; [2] SCIEX; [3] SCIEX Spain

10:10-10:30 AM, Room B302-305

Correlated Chemical Mapping of Multiple Compounds and Metabolites in Rat Tissues

Gary J. Van Berkel* [1]; Thomas R. Covey [2]; Chang Liu [2]; Bryce Young [2]; Robert Johnson [3]; Christopher DeBenedetto [3]; Danielle Diaz [3]; Adam Bentley [3]; James Glick [3]; Jimmy Flarakos [3]
[1] Gary Van Berkel LLC; [2] SCIEX; [3] Novartis Institutes for BioMedical Research

Wednesday, June 5

9:10-9:30 AM, Room B302-305

High Speed System for Analysis of Biological Samples that Corrects for ESI Ionization Suppression in Real Time

Thomas R. Covey*; Peter Kovarik; Chang Liu
SCIEX

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 3

#125

Extractables and Leachables Analysis Using a Quadrupole Time of Flight Mass Spectrometer Using SWATH® Acquisition

Rolf Kern; Patricia Sun*; Alex Liu

SCIEX

#176

Quantitation of Multi Residues Antibiotics in Milk Using LC-MS/MS

Chandrasekar Madhappan [1]; Dilip Reddy [1]; Manoj G. Pillai [1]; Jianru Stahl-Zeng* [2]

[1] SCIEX India; [2] SCIEX Germany

#305

SeleXION® Differential Mobility Hardware Enables Facile, Tunable Gas-Phase Hydrogen-Deuterium Exchange for Small Molecules and Proteins

Brendon Seale* [1] [2]; Yves LeBlanc [2]

[1] York University; [2] SCIEX

#367

A New Spectral Baseline Subtraction Algorithm for Reducing Artefacts in Protein Deconvolution

Lyle Burton [1]; Xu Guo [1]; Gordana Ivosev* [1]; Ron Bonner [2]

[1] SCIEX; [2] Ron Bonner Consulting

#454

Acoustic-Droplet-Ejection to the Open-Port Probe Sampling Interface of MS (ADE-OPP-MS) – the Automated High-Throughput Bioanalysis Platform for Drug Discovery

Chang Liu* [1]; Hui Zhang [2]; Wenyi Hua [2]; Jianhua Liu [2]; David M. Cox [1]; Thomas R. Covey [1]

[1] SCIEX; [2] Pfizer Inc.

#464

Next Generation Sample Introduction for High-Throughput Mass Spectrometry: Acoustic Droplet Ejection with an Open Port Probe

Lucien Ghislain* [1]; Chang Liu [2]; Hui Zhang [3]; Jianhua Liu [3]; Wenyi Hua [3]; Timothy Foley [3]; Don W. Arnold [2]; Thomas R. Covey [2]; Sammy S. Datwani [4]

[1] Labcyte Inc.; [2] SCIEX; [3] Pfizer; [4] Labcyte Inc.

#479

Improvement of Electron Capture Efficiency in an RF Ion Trap by Optimized Design of Magnetic Field

Keqin Chen*; Goran Ristic; Pavel Ryumin; Bill Loyd; Takashi Baba

SCIEX



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Monday, June 3 (continued)

#483

Methods to Improve the Extraction Efficiency and Resolution of the Mass Selective Axial Ejection from a Linear Quadrupole Ion Trap

Mircea Guna*
SCIEX

#520

Novel Findings in HILIC Based LC-MS/MS Methods for Targeted Lipidomics Profiling

Goncalo Vale* [1]; Sarah Martin [2]; Mackenzie Pearson [3]; Jeffrey G. McDonald [1]
[1] UT Southwestern; [2] Agios Pharmaceuticals; [3] SCIEX

#534

High-Throughput Targeted Lipidomics Analysis of Dihydroceramide Desaturase-1 (DES1) Knockout Mice

Mackenzie Pearson* [1]; Santosh Kapil [1]; Trevor S. Tippets [2]; Scott A. Summers [2]
[1] SCIEX; [2] University of Utah

#538

Improved High-Throughput Targeted Lipidomic Analysis with sMRM Pro Builder

Santosh Kapil Kumar Gorti* [1]; Mackenzie Pearson [1]; Sean Seymour [2]; Christie Hunter [1]; Paul Baker [1]
[1] SCIEX; [2] Seymour Data Science

#539

Enhanced Quantification of LPA 18:1 in Plasma with Differential Mobility Separation Technology

Cyrus Papan [1]; Joerg Dojahn [1]; Sean Wu* [2]
[1] SCIEX Germany; [2] SCIEX

#548

Alteration of Lipidome Due to Vitamin B12 Deficiency

Akash Kumar Bhaskar* [1] [2]; Khusbhoo Adlakha [1]; Salwa Naushin [1] [2]; Arjun Ray [1]; Praveen Singh [1] [2]; Monu Kumar [1]; Akanksha Singh [3]; Dipankar Malakar [3]; Christie Hunter [4]; Shantanu Sengupta [1] [2]
[1] CSIR-Institute of Genomics and Integrative Biology, India; [2] Academy of Scientific & Innovative Research, India; [3] SCIEX India; [4] SCIEX

#574

Comparison of Different Compound Spectral Libraries with DDA and DIA Analyzed Extracted Plasma for Metabolite Identification

Robert Proos; Khatereh Motamedchaboki; Anthony Romanelli*
SCIEX

#654

Comprehensive and Streamlined Approach for Host Cell Protein Identification and Quantification

Sean McCarthy*; Zoe Zhang; Lei Xiong; Elliott Jones
SCIEX

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Monday, June 3 (continued)

#658

Ultra-Sensitive Quantification of Monoclonal Antibodies and ADCs in Mouse Plasma Using Trap-Elute MicroLC-MS/MS Method

Lei Xiong*; Ji Jiang; Remco van Soest
SCIEX

#660

Isotopically Resolved Analysis of Protein Subunits Using High Resolution Accurate Mass

Sean McCarthy; Melanie Juba*; Zoe Zhang
SCIEX

#665

On-line Aggregate and Fragment Analysis of Therapeutic Monoclonal Antibodies Using Native Size Exclusion Chromatography Mass Spectrometry

Chongfeng Xu* [1]; Zoran Sosic [1]; Sean McCarthy [2]; Esme Candish [2]; Fan Zhang [2]; Elliott Jones [2]
[1] Biogen; [2] SCIEX

#667

CESI-MS: A Useful Tool to Analyze the Charge Variants and Disulfide Structural Heterogeneity of IgG2

Prashant Dour*; Faraz Rashid; Dipankar Malakar; Manoj Pillai
SCIEX India

#704

Carbonylated Proteome Signatures Caused by Stress During Development of Human Pregnancy in GARBH-Ini Cohort

Abhishek Kumar Singh [1]; Amit Kumar Dey* [1]; Pallavi Kshetrapal Kshetrapal [2]; Nitya Wadhwa [2]; Shinjini Bhatnagar [2]; Arindam Maitra [3]; Dipankar Malakar [4]; Faraz Rashid [4]; Manoj Pillai [4]; Dinakar M. Salunke [5]; Tushar Kanti Maiti [1]
[1] Regional Centre for Biotechnology, India; [2] Translational Health Science and Technology Institute, India; [3] National Institute of Biomedical Genomics, India; [4] SCIEX India; [5] International Centre for Genetic Engineering and Biotechnology, India

#784

Dipolar DC Induced Collisional Activation of Non-Dissociated Electron-Transfer Products

Sarju Adhikari [1]; Mack Shih* [1]; Eric T. Dziekonski [2]; Frank A. Londry [2]; Scott A. McLuckey [1]
[1] Purdue University; [2] SCIEX

Tuesday, June 4

#021

Improving Assignment of Sequence Variants Using Machine Learning

Sibylle Heidelberger [1]; Lyle Burton* [2]; Sean L. Seymour [3]
[1] SCIEX United Kingdom; [2] SCIEX; [3] Seymour Data Science



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Tuesday, June 4 (continued)

#117

An integrated Pipeline from SWATH® Acquisition to MRM^{HR} Workflow Facilitates Identification and Verification of Prostate Diagnostic Markers

Rui Sun [1]; Christie Hunter [2]; Chen Chen [3]; Xue Cai [1]; Qiushi Zhang [1]; Bo Wang [4]; Xiaoyan Yu [5]; Huanhuan Gao [1]; Xiaodong Teng [4]; Lirong Chen [5]; Ruedi Aebersold [6]; Yi Zhu [1]; Tiannan Guo* [1]

[1] School of Life Sciences, Westlake University, China; [2] SCIEX; [3] SCIEX China; [4] Department of Pathology, The First Affiliated Hospital of College of Medicine, Zhejiang University, China; [5] Department of Pathology, The Second Affiliated Hospital, Zhejiang University School of Medicine, China; [6] Department of Biology, Institute of Molecular Systems Biology, ETH Zurich, Switzerland

#119

Quantitation of Insulin-Like Growth Factor-1 in Serum by MRM-LC-MS/MS

Yihan Li*; Ji Jiang; Lei Xiong; Xiang He
SCIEX

#207

Exploring the Physicochemical Properties of Pesticides Using Differential Mobility Spectrometry and Machine Learning-Based Modelling

J. Larry Campbell* [1]; J. C. Yves LeBlanc [1]; Brendon Seale [1] [2]; Zack Bowman [3]; Jeff Crouse [3]; Ce Zhou [3]; W. Scott Hopkins [3]
[1] SCIEX; [2] York University; [3] University of Waterloo

#487

Optimized Nanoflow ESI Source to Eliminate the Need for Tuning

Yang Kang; Bradley B. Schneider*; Leigh Bedford; Thomas R. Covey
SCIEX

#538

Comprehensive Discrimination of Triterpenoids in Three Momordica Species Using Targeted LC-MS/MS Based Metabolomics

Joydeb Chanda* [1]; Akanksha Singh [2]; Sayan Biswas [1]; Pulok K. Mukherjee [1]; Dipankar Malakar [2]; Manoj Pillai [2]
[1] School of Natural Product Studies, Jadavpur University, India; [2] SCIEX India

#560

Improved Metabolite Identification in a Single Injection with SWATH® Acquisition for Untargeted Metabolomics Workflow

Robert Proos*; Khatereh Motamedchaboki
SCIEX

#607

NanoFlow LC-MS and Dedicated Bioinformatics Software for Rapid Semi-Automated Biotherapeutics PTM Quantitation

Tun Liu* [1]; Jennifer Nemeth-Seay [1]; Michael Merriman [2]; Sean McCarthy [2]
[1] Janssen Research & Development; [2] SCIEX



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Tuesday, June 4 (continued)

#618

Characterization of Peptide with Disulfide Bond Linkage on LC Time Scale with Differential Mobility and ECD Fragmentation

Suya Liu*; Yves LeBlanc; Doug Simmons; Pavel Ryumin; Takashi Baba

SCIEX

#645

Orthogonal Approaches for Released N-Glycan Characterization and Quantification

Sean McCarthy; Zoe Zhang*; Elliott Jones

SCIEX

#673

Ultra-Fast Proteomics Enabled by Scanning SWATH® and High-Flow Chromatography

Christoph B. Messner* [1]; Vadim Demichev [1] [2]; Spyros Vernardis [1]; Nic Bloomfield [3]; Gordana Ivosev [3]; Frasn Wasim [3]; Stephen Tate [3]; Kathryn Lilley [2]; Markus Ralser [1] [4]

[1] Francis Crick Institute, United Kingdom; [2] Department of Biochemistry, University of Cambridge, United Kingdom; [3] SCIEX; [4] Charité, Germany

#681

Microflow DIA Using 15min Gradients Analyzes 40 Tumor Proteomes per Day and Effectively Detects Promising Protein Biomarkers

Rui Sun* [1]; Christie Hunter [2]; Chen Chen [3]; Huanhuan Gao [1]; Xue Cai [1]; Qiushi Zhang [1]; Bo Wang [4]; Xiaoyan Yu [5]; Xiaodong Teng [4]; Lirong Chen [5]; Ruedi Aebersold [6]; Yi Zhu [1]; Tiannan Guo [1]

[1] School of Life Sciences, Westlake University, China; [2] SCIEX; [3] SCIEX China; [4] Department of Pathology, The First Affiliated Hospital of College of Medicine, Zhejiang University, China; [5] Department of Pathology, The Second Affiliated Hospital, Zhejiang University School of Medicine, China; [6] Department of Biology, Institute of Molecular Systems Biology, ETH Zurich, Switzerland

#749

Improved Structural Characterization of Molecules with a Chimeric Collision Cell with Both Electron-Based and Collision-Induced Dissociation Capability

Yves LeBlanc*; Takashi Baba; Pavel Ryumin; Bill Loyd; Eva Duchoslav

SCIEX

#754

Evaluation of Alternate MS/MS Fragmentation Tools, Including UVPD and EID, for the Structural Elucidation of Trace Level Metabolites

Jeffrey Gilbert* [1]; Jesse L. Balcer [1]; David G. McCaskill [1]; Nick N. Wang [1]; Chengli C. Zu [1]; Yelena A. Adelfinskaya [1]; J.C. Yves LeBlanc [2]

[1] Corteva Agriscience; [2] SCIEX



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Wednesday, June 5

#048

Monitoring of DAR/ADC Attributes for Trastuzumab Emtansine

Sibylle Heidelberger* [1]; Ferran Sanchez [2]
[1] SCIEX United Kingdom; [2] SCIEX Spain

#052

Characterization of N-Glycan Species of VEGF Decoy Receptor Fusion Protein by Novel HILIC-LC Separation with Highly Sensitive Mass Spectrometric Characterization

Mihir Mahendra Thakar* [1]; Faraz Rashid [2]; Dipankar Malakar [2]; Bobby Virasingh [1]; Manoj Pillai [2]
[1] Phenomenex India Pvt Ltd, India; [2] SCIEX India

#095

Proteomic Analysis of NMuMG Cells Undergoing Epithelial Mesenchymal Transition

Santanu Palchaudhuri* [1]; Faraz Rashid [2]; Dipankar Malakar [2]; Manoj G. Pillai [2]
[1] Amity University, India; [2] SCIEX India

#189

Characterization of Enoxaparin Using LC-MS/MS

S Sameer Kumar Gantasala [1]; Dilipkumar Reddy Kandula* [2]; Sri Rama Krishna Surapureddi [1]; Sreedhar Reddy Sappidi [1]; Manoj Pillai [2]; Shrikrishna Dadke [1]
[1] Vimta Labs Limited, India; [2] SCIEX India

#236

Drug Discovery Applications of ADE-OPP-MS (Acoustic-Droplet-Ejection coupled Open-Port-Probe Mass Spectrometry) Platform

Hui Zhang* [1]; Wenyi Hua [1]; Chang Liu [2]; Jianua Liu [1]; David Cox [2]; Anthony Carlo [1]; Matt Troutman [1]; Tom Covey [2]
[1] Pfizer Inc.; [2] SCIEX

#238

High-Throughput Analysis of Synthetic Samples from High-Density Microplates with ESI-MS Enabled by the Acoustic-Droplet-Ejection to the Open-Port Probe Sampling Interface

Wenyi Hua* [1]; Chang Liu [2]; Kenneth Dirico [1]; Joseph Tucker [1]; Thomas R. Covey [2]; Hui Zhang [1]
[1] Pfizer Inc.; [2] SCIEX

#246

Dual-Stream LC Coupled with 'Plug And Play' Automation for Routine Bioanalysis in Drug Discovery

Emile G. Plise [1]; Jonathan Cheong [1]; Katherine Gaffney [1]; Jamie Jorski [1]; Loren Olson [2]; Neal Liddle [2]; Anthony Romanelli [2]; Joseph Janiszewski [3]; Wayne Lootsma [3]; John Janiszewski* [4]
[1] Genentech, Inc.; [2] SCIEX; [3] Sound Analytics; [4] J2-Bioanalytical



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Wednesday, June 5 (continued)

#255

Development of a Multiple-Reaction Monitoring (MRM) LC-MS/MS Method for Detection of Microbial Transglutaminase from *Streptomyces*

Rebekah L Sayers* [1]; Jianru Stahl-Zeng [2]
[1] SCIEX United Kingdom; [2] SCIEX Germany

#268

Metabolite Fingerprinting and Mapping the Phytonutrients through LC-MS and HPTLC Analysis of Rice Varietals, Endogenous to North-East Region of India

Krishna N. Dutta [1]; Akanksha Singh [2]; Paramita Choudhury [1]; Rajlakshmi Devi [1]; Narayan C. Talukdar [1]; Suman K. Samanta* [1]; Dipankar Malakar [2]; Manoj G. Pillai [2]
[1] Life Sciences Division, Institute of Advanced Study in Science and Technology, India; [2] SCIEX India

#360

High-Throughput Screening of Explosive Residues Using a Robust Thermal Extraction Ionization Source (TEIS)

Pierre Negri* [1]; Neil Davenport [2]; Ashley Sage [2]; Peter Luke [3]; Carl Fletcher [3]
[1] SCIEX; [2] SCIEX United Kingdom; [3] Mass Spec Analytical, United Kingdom

#419

The Power of MS/MS^{ALL} Acquisition for High-Throughput Metabolomics Studies

Mariateresa Maldini [1]; Eva Duchoslav* [2]; Cyrus Papan [3]; Khatereh Motamedchaboki [2]
[1] SCIEX Italy; [2] SCIEX; [3] SCIEX Germany

#437

Determining the Nature of MS Contamination with Various Sample Matrices

Leigh Bedford*; Yang Kang; Bradley B. Schneider; Thomas R. Covey
SCIEX

#463

Pulse Width Modulation Control of Electron Beam Intensity in Electron Capture Dissociation Using Precursor Charge State Information

Anjali Chelur*; Suya Liu; Calin Bradau; Pavel Ryumin; Thomas J. Binko; Nick Albeanu; Takashi Baba
SCIEX

#513

A Quantitative Compliant Multi-Attribute Methodology (MAM) LC-MS Workflow

Zoe Zhang; Sean McCarthy; Elliott Jones; Todd Stawicki*
SCIEX

#514

A Sensitive Microflow LC-MS/MS Method for the Analysis of Corticosteroids in Human Plasma

Ting Liu* [1]; Wenhai Jin [1]; Daniel K. Blake [2]
[1] SCIEX China; [2] SCIEX United Kingdom



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Wednesday, June 5 (continued)

#619

Robust and Sensitive Untargeted Microflow Metabolomics with OptiFlow™ Turbo V Source

Khatereh Motamedchaboki [1]; Carmai Seto* [1]; Lekha Sleno [2]; Vivaldy Prinville [2]

[1] SCIEX; [2] Université du Quebec a Montreal

#631

Method Development for Metabolite and Impurity Profiling of Oligonucleotide Therapeutics

Kaoru Karasawa* [1]; Lyle Burton [2]; Eva Duchoslav [2]

[1] SCIEX Japan; [2] SCIEX

#638

A Highly Selective and Sensitive Analytical Method Using LC-MS/MS for Phosphorothioate Oligonucleotides

Yasuko Tsukazaki* [1]; Naoto Senda [1]; Mariko Harada-Shiba [2]; Fumito Wada [2]; Noriyuki Iwasaki [3]; Kaoru Karasawa [3]

[1] Shin Nippon Biomedical Laboratories, Ltd., Japan; [2] National Cerebral and Cardiovascular Center Research Institute, Japan; [3] SCIEX Japan

#681

Sub-Picogram Level Quantitation of Desmopressin in Small Volumes of Human Plasma Using a Trap-Elute Micro LC-MS System

Rahul Baghla*; Khatereh Motamedchaboki; Remco van Soest; Lei Xiong

SCIEX

#775

Advancing Forensic DUID Screening with Mass Spectrometry

Oscar Cabrices* [1]; Pierre Negri [1]; Dean Fritch [2]; Melanie Stauffer [2]; Nadine Koenig [2]; Derrick Schollenberger [2]; Jennifer Gilman [2]; Adrian Taylor [1]

[1] SCIEX; [2] Health Network Laboratories

#776

Streamlining Unknown Screening for Postmortem Analysis

Adrian Taylor* [1]; Oscar Cabrices [1]; Xiang He [1]; Dean Fritch [2]; Nadine Koenig [2]; Melanie Stauffer [2]; Derrick Schollenberger [2]

[1] SCIEX; [2] Health Network Laboratories

Thursday, June 6

#063

Laser-Induced Fluorescence Imaging of the Electropray for Quantitative N-Glycosylation Analysis Of Monoclonal Antibodies by Capillary Electrophoresis-Mass Spectrometry

Andras Guttman*

SCIEX



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Thursday, June 6 (continued)

#092

Mass Fractionation in the Survey Data Improve Protein Identification in Data Dependent Acquisition for Complex Proteome Samples

Faraz Rashid* [1]; Dipankar Malakar [1]; Nirpendra Singh [2]; Manoj Pillai [1]
[1] SCIEX India; [2] Advanced Technology Platform Centre, RCB, India

#096

Accelerating DIA Studies to Extend Workflow Utility, Using Ultra-Fast Microflow LC Gradients

Christie Hunter* [1]; Nick Morrice [2]; Zuzana Demianova [3]
[1] SCIEX; [2] SCIEX United Kingdom; [3] SCIEX Germany

#107

Employing Scanning SWATH® to Support High Flow Proteomics Sample Acquisition

Nic Bloomfield* [1]; Gordana Ivosev [1]; Fras Wasim [1]; Stephen Tate [1]; Christoph B. Messner [2]; Vadim Demichev [2]; Spyros Vernardis [2]
[1] SCIEX; [2] The Francis Crick Institute, United Kingdom

#142

Sub-Picogram Level Quantitation of Tiotropium Using the SCIEX Triple Quad™ 6500+ LC-MS/MS System

Rajendra Prasad Thatipamula* [1]; Dilipkumar Reddy Kandula [1]; Manoj Pillai [1]; Darshan Engineer [2]; Chandrika Nippani [2]; Salman Bagwan [2]; Bobby Virasingh [2]
[1] SCIEX India; [2] Phenomenex India Pvt Ltd, India

#143

Quantification of Barnidipine in Human Plasma Using Targeted LC-MS/MS

Chandrasekar Madhappan*; Dilipkumar Reddy Kandula; Manoj Pillai
SCIEX India

#269

Direct Scoring from DIA Data Using High Connected Data Models

Fras Wasim; Cristiano Viegas; Stephen A. Tate*
SCIEX

#270

Enhanced Scoring of DIA Data Extraction Using Machine Learning

Gillian Brooks; Fras Wasim*; Stephen A. Tate
SCIEX

#280

LC-MS with SelexION® Differential Mobility Separation Technology as a Sensitive and Selective Tool to Verify Quality of Olive Oil

Akanksha Singh [1]; Axel Besa* [2]; Dipankar Malakar [1]; Manoj G. Pillai [1]
[1] SCIEX India; [2] SCIEX Germany

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Thursday, June 6 (continued)

#388

Widely Targeted Lipidomics Profiling (WTLP) with Unit Dalton Resolution Using the SCIEX 6500+ QTRAP® System

Yunping Qiu* [1]; Mackenzie J. Pearson [2]; Min Cai [1]; Cyrus Papan [3]; Irwin J. Kurland [1]

[1] Albert Einstein College of Medicine; [2] SCIEX; [3] SCIEX Germany

#489

Comprehensive Untargeted Metabolite Identification with Kinetex F5 Microflow Liquid Chromatography and Variable Window Data Independent Acquisition

Khatereh Motamedchaboki [1]; Remco van Soest* [1]; Robert Proos [1]; Jason Anspach [2]

[1] SCIEX; [2] Phenomenex

#490

Multi-Feature Based Data Processing of Data Independent Acquisition (DIA) Metabolomics Data without Retention Time Information

Pradeep Narayanaswamy* [1]; Adam Lau [2]; Lyle Burton [2]; Stephen Tate [2]

[1] Industry, Singapore; [2] SCIEX

#502

High-Throughput and Sensitive Data Independent Acquisition Workflow Differentiating Pre-Classified Healthy from Prediabetic and Diabetes Samples

Khatereh Motamedchaboki* [1]; Robert Proos [1]; Sara Ahadi [2]; Raghav Seghal [3]; Hemen Boro [3]; Abhishek Jha [3]; Latha Palaniappan [2]

[1] SCIEX; [2] Stanford University; [3] Elucidata

#552

Extending the Lower Limits of Quantification of a Therapeutic Oligonucleotide through Microflow LC-MS/MS

Daniel Warren*; Sean McCarthy; Lei Xiong; Anthony Romanelli

SCIEX

#556

High-Sensitivity Glycomic and Proteomic Profiling of Limited Biological Samples Using Capillary Zone Electrophoresis-Mass Spectrometry

Anne-Lise Marie [1]; Kendall Johnson [1]; Marcia Santos [2]; Somak Ray [1]; Antonius Koller [1]; David Frank [3]; Helen Gandler [3]; Shulin Lu [3]; John Tigges [3]; Ionita Ghiran [3]; Alexander R Ivanov* [1]

[1] Northeastern University; [2] SCIEX; [3] Harvard Medical School

#770

Improved Sensitivity for Bioanalysis of Pyrrolobenzodiazepine Dimers Using Microflow HPLC Coupled with Tandem Mass Spectrometry

Rolf Kern*

SCIEX