



SCIEX
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SCIEX summit 2024

Live event

Highlighting scientific breakthroughs
in mass spectrometry that really count.

Scientists and researchers from around the globe discuss the importance of LC-MS in fields like food and environmental testing, pharmaceutical and biopharmaceutical discovery and development and biomedical and omics research.

September 24-26, 2024

EDT: 10:00 AM - 2:00 PM

PDT: 7:00 AM - 11:00 AM

GMT: 3:00 PM - 7:00 PM



Day one

Innovation and data insights

- Discover how to achieve high sensitivity, speed, and resilience when working with large, complex sample sets
- Learn strategies to speed up your covalent protein drug discovery
- Gain insights into accelerating the development of multiple modalities
- Understand the latest advancements in quantitative proteomics with ZT Scan DIA
- Overcome limitations with cutting-edge artificial intelligence quantitation software

Tuesday, September 24

Time (EDT)	Presentation title and speaker
10:00 am	Welcome and introduction to innovation and data insights Jamie Wighton, Senior Director LC-MS Research, SCIEX
10:20 am	Advancing robustness and serviceability of a high-end triple quad mass spectrometer in a high-throughput bioanalytical lab Rathna Veeramachaneni, Director, Biopharma LC-MS/MS, KCAS Bioanalytical
10:55 am	The new fast in drug discovery: a new MS system to study covalent protein drugs Markus Stöckli, Senior Principal Scientist, Novartis Institutes for BioMedical Research
11:35 am	icIEF-UV/MS characterization of charge Isoforms for biotherapeutic products Xiaoping He, Senior Scientist, Pfizer
12:05 pm	Expanding qualitative and quantitative sensitivity for immunopeptidomics using ZT Scan DIA Tony Purcell, Professor, Monash University
12:40 pm	Artificial intelligence quantitation [AI quant]: molecular structure and mass spectral data quality driven processing of high-resolution mass spectrometry for quantitative analysis Kevin Bateman, Retired Pharmacokinetics, Pharmacodynamics and Drug Metabolism Expert
1:15 pm	Q&A roundtable: innovation and data insights with the experts moderated by Jamie Wighton, SCIEX
	Panelists: Rathna Veeramachaneni, KCAS Bio Xiaoping He, Pfizer Markus Stöckli, Novartis Institutes for BioMedical Research Tony Purcell, Monash University Kevin Bateman, Retired Pharmacokinetics, Pharmacodynamics and Drug Metabolism Expert
1:45 pm	Wrap up day one

Note: Due to the interactive nature of the live event, speakers and times are subject to change.

Day two

Characterization and discovery

- Characterize and quantify calreticulin [CALR] arginylation using electron-activated top-down proteomics
- Achieve in-depth profiling of metabolites and lipids in biological samples
- Obtain accurate and reliable metabolite identification using electron-based fragmentation [EAD]
- Detect trace amounts of pesticide residues in food by targeted and non-targeted, IDA and SWATH approaches
- Enhance routine characterization of low-abundant sequence variant [SV] through fast and sensitive EAD-DDA

Wednesday, September 25

Time (EDT)	Presentation title and speaker
10:00 am	Welcome and introduction to characterization and discovery Tatjana Talamantes, Senior Product Manager, Accurate Mass, SCIEX
10:20 am	Top-down characterization of post-translational arginylation using electron activated dissociation [EAD] Tom Lin, Instructor, Washington University in St. Louis
10:55 am	In-depth metabolomics and lipidomics analysis enabled by the ZenoTOF 7600 system Michael Witting, Deputy Head Metabolomics and Proteomics Core and Executive Manager Metabolomics, Helmholtz Munich
11:30 am	MetID Innovations in Pharma: Exploring New Avenues for Metabolite Structure Elucidation Nari Talaty, Principal Research Scientist II, AbbVie
12:05 pm	Time-of-flight mass spectrometry applications in food science: targeted and non-targeted approaches Francisco Jose Díaz Galiano, European Union Reference Laboratory for Pesticide Residues in Fruit & Vegetables, Universidad Almería
12:40 pm	Reduce risk and accelerate cell line development with iCIEF-UV/MS technology Kristen Niels, Principal Scientist, J&J Innovative Medicines
1:15 pm	Q&A roundtable: a deeper look at high-resolution mass spectrometry moderated by Jose Castro-Perez, SCIEX Panelists: Tom Lin, Washington University in St. Louis Michael Witting, Helmholtz Munich Francisco Jose Díaz Galiano, Universidad Almería Kirsten Niels, J&J Innovative Medicines Tatjana Talamantes, SCIEX
1:45 pm	Wrap up day two

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Day three

Quantitation and screening

- Enhanced sensitivity and robustness deliver stringent quantitation for veterinary drug testing for meat
- See how intuitive, compliant-ready SCIEX OS software enables pharmacokinetic parameter monitoring with ease and reliability
- Understand the challenges and best practices for oligonucleotide analysis by LCMS
- Discover how exploiting fast acquisition rates can be used to identify and quantify over 2250 fatty-acids lipids
- Hear about the accurate detection and quantitation of trace-level PFAS compounds

Thursday, September 26

Time (EDT)	Presentation title and speaker
10:00 am	Welcome and introduction to quantitation and screening Ian Moore, Senior Technical Product Manager, Nominal Mass, SCIEX
10:20 am	Veterinary Drug Analysis: SCIEX Triple Quad 7500 system vs 7500+ system Claudia Ancillotti, Method Development Manager, Biochemie Lab
10:50 am	Maximizing analytical potential and navigating changes in the validated laboratory with SCIEX OS software April Quinn-Paquet, Global Marketing Product Manager, Software, SCIEX
11:40 am	Approaches for the bioanalytical analysis of oligonucleotide therapies Shane Karnik, Senior Laboratory Director, Aliri Bioanalysis
12:00 pm	Fast scanning quantitative lipidomics analysis using the SCIEX 7500+ system Paul Baker, Senior Scientific Liason, Lipidomics and Metabolomics, SCIEX
12:40 pm	From sample collection to data processing - PFAS Program at State Hygienic Lab Majid Nada, Environmental Lab Scientist, State Hygienic Laboratory at the University of Iowa
1:10 pm	Q&A roundtable: discuss applications of high-quality quantitation and screening workflows moderated by Ian Moore
	Panelists: Roberto Riccio, Biochemie Lab Shane Karnik, Aliri Bioanalysis April Quinn-Paquet, SCIEX Paul Baker, SCIEX Majid Nada, State Hygienic Laboratory at the University of Iowa
1:40 pm	Wrap up day three

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To register for the summit, visit: www.sciex.com/events/sciex-summit