

IMSC 2024 PROGRAM

Saturday 17 August								Location
8.00 AM - 5.00 PM	Short Course Registration							Level 1 Foyer
Short Courses	Short Course 1	Short Course 2	Short Course 3	Short Course 4	Short Course 5	Short Course 6	Short Course 7	Short Course 8
9:00am - 5:00pm	LC-MS Practical Method Development and Validation Robert Trengrove - Curtin University Damien Callahan - Deakin University	Tandem mass spectrometry Vicki Wysocki - Ohio State University Lijilana Pasa-Tolic - Pacific Northwest National Laboratory	Ion-mobility mass spectrometry Erin Baker - University of North Carolina Valerie Gabelica - University of Geneva	Proteomics and Post-Translational Modifications Sean Humphrey - Murdoch Children's Research Institute Shabaz Mohammed - Rosalind Franklin Institute University of Oxford	Lipidomics Stephen Blanksby - Queensland University of Technology Anne Bendt - National University of Singapore	Imaging mass spectrometry Martina Marchetti Deschmann - Vienna University of Technology Shane Ellis - University of Wollongong	Glycomics Yehia Mechref - Texas Tech University Daniel Kolarich - Griffith University	Computational and Statistical proteomic analysis David Tabb - US National Cancer Institute Birgit Schilling - University of California San Francisco (UCSF) Jordan Burton - Buck Institute for Research on Aging
Short Courses to include Morning Tea 10:30am - 11:00am Lunch 12:30pm - 1:30pm Afternoon Tea 3:00pm - 3:30pm								

Sunday 18 August								Location
8.00 AM - 9.00 PM	Conference Registration							Main Foyer 3
Short Courses	Short Course 1	Short Course 2	Short Course 3	Short Course 4	Short Course 5	Short Course 6	Short Course 7	Short Course 8
9:00am - 5:00pm	LC-MS Practical Method Development and Validation Robert Trengrove - Curtin University Damien Callahan - Deakin University	Tandem mass spectrometry Vicki Wysocki - Ohio State University Lijilana Pasa-Tolic - Pacific Northwest National Laboratory	Ion-mobility mass spectrometry Erin Baker - University of North Carolina Valerie Gabelica - University of Geneva	Proteomics and Post-Translational Modifications Sean Humphrey - Murdoch Children's Research Institute Shabaz Mohammed - Rosalind Franklin Institute University of Oxford	Lipidomics Stephen Blanksby - Queensland University of Technology Anne Bendt - National University of Singapore	Imaging mass spectrometry Martina Marchetti Deschmann - Vienna University of Technology Shane Ellis - University of Wollongong	Glycomics Yehia Mechref - Texas Tech University Daniel Kolarich - Griffith University	Computational and Statistical proteomic analysis David Tabb - US National Cancer Institute Birgit Schilling - University of California San Francisco (UCSF) Jordan Burton - Buck Institute for Research on Aging
Short Courses to include Morning Tea 10:30am - 11:00am Lunch 12:00pm - 1:00pm Afternoon Tea 3:00pm - 3:30pm								
4.30 PM - 5.00 PM	Opening Ceremony							Plenary
5.00 PM - 6.00 PM	IMSC Plenary Lecture 1 Membrane protein complexes – from recombinant complexes to regions of the brain - Professor Dame Carol Robinson							
6.00 PM - 9.00 PM	Welcome Reception							Exhibition Hall

IMSC 2024 PROGRAM

	Monday 19 August					Location
8.00 AM - 5.00 PM	Conference Registration					Main Foyer 3
8.00 AM - 9.30 AM	Plenary - IMSF Thomas Medal <i>Chair - Ron Heeren</i>					Plenary
9.30 AM - 10.00 AM	Morning Tea <i>Innovation Stage Talks:</i> Sciex 9:40am - 9:55am					Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110	
Concurrent Sessions	Lipidomics: Applications <i>Session Sponsored by Avanti Polar Lipids</i>	Clinical Chemistry	Mass Spectrometry in Structural Biology A	Earth, Space, Geoscience and Atmospheric Chemistry A	Ion Chemistry, Reactions and Structure A	
10.00 AM - 12.00 PM	KEYNOTE: Yu Xia - Tsinghua University Michal Holčápek (347 - CLIG interlaboratory study on the harmonization of lipid concentrations in human plasma) Anthony Don (396 - Quantifying brain lipid synthesis and turnover through deuterium labelling of endogenous brain lipids in vivo) Amy Liang (452 - Automated retention time calibration for complex, targeted reverse phase chromatography based lipidomics) Stephanie Cologna (168 - Probing fatty acid alterations linked to cholesterol dysregulation in Niemann-Pick Type C Disease) Rachel Pryce (176 - Lipidomic Alterations in the Retina of a mouse model of Zellweger Spectrum Disorder Investigated by Mass Spectrometry Imaging) <i>Chair - Anne Bendt</i>	KEYNOTE: Ronda Greaves - Murdoch Childrens Research Institute Stefani Thomas (590 - Adopting fundamental principles from the clinical laboratory to accelerate the clinical translation of targeted mass spectrometry-based proteomic assays) Priscilla Yeung (92 - Clonality Determination by Detecting Unmodified Monoclonal Serum Free Light Chains Using On-Probe Extraction Coupled with Liquid Chromatography-High-Resolution Mass Spectrometry) Keziah Liebenberg (569 - Alterations in glutaminolysis detected by direct mass spectrometry techniques enable diagnosis and molecular subtyping of breast and ovarian cancers) Dan Lane (87 - The Validation Processor: the development of a novel tool that that automates, standardises, and accelerates mass spectrometric assay validation) Ruben Luo (12 - Microprobe-Capture In-Emitter Elution Coupled with Mass Spectrometry for Structural Elucidation and Clinical Testing of β 2-Transferrin) <i>Chair - Russell Grant</i>	KEYNOTE: Michal Sharon Weizmann - Institute Of Science Cameron Fairweather (426 RAMP it up! Exploring conformational dynamics of the amylin receptors using HDX-MS) Tara Pukala (597 - Extending the molecular view of snake venoms to higher order structure) Weijing Liu (266 - Automated molecular glues screening using native mass spectrometry) Duong Bui (50 - Deciphering Mechanisms and Thermodynamics of Protein Assembly using native mass spectrometry) Ryan Julian (76 - Isomerization of tau provides mechanistic insight into the underlying causes of Alzheimer's disease) <i>Chair - Meng-Qiu Dong</i>	KEYNOTE: Roger Summons - Massachusetts Institute Of Technology Hyeon-Woo Lee (56 -Study on the Determination Methods of the Natural Radionuclides(U-238, Th-232) in Building Materials and Consumer Products Using ED-XRF and ICP-MS) Samir Damare (500) -Mass spectrometry as a tool for understanding biological processes in Oceans Clemens Walther (589 - Nuclear forensics on single micrometer sized particles: recent developments of secondary neutral mass spectrometry for ultra-trace isotope analysis) Oliver Jones (447 - Combining contaminants of emerging concern with environmental isotopes to distinguish wastewater and agricultural impacts on groundwater systems) Robert Kirkby (634 - Using an automated soil incubation system coupled to online IRMS to resolve N2 and N2O emission pathways from agricultural soils) <i>Chair - Trevor Ireland</i>	KEYNOTE: Evan Bieske - University of Melbourne Minsu Kim (491 - Research on size dependent molecular behavior of ESI-generated charged droplets by using X-ray scattering) Xianglei Kong (594 - Generation and Identification of Free Radical Cations Using a UV/IR Double-Beam Laser System Combined with an FT ICR Mass Spectrometer) Alexander Giuliani (643 - UV action spectroscopy of polyalanine ions) Ri Wu (326 - Probe the Gas-Phase Structures of Biomolecular Ions with Native Ion Mobility-Mass Spectrometry and Transition Metal Ion Förster Resonance Energy Transfer) Adam Trevitt (667 - Laser photodissociation and ion reactivity of selected protonation-site isomers) <i>Chair - Isabelle Compagnon</i>	

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12.00 PM - 1.00 PM	Lunch (no catering) <i>Sponsored Lunch Seminars:</i>				Exhibition Hall
Sponsored Lunch Seminars	Meeting Room 105		Meeting Room 106		Meeting Room 109
1.00 PM - 2.00 PM	Lunch Seminar - Bruker		Lunch Seminar - Waters		Lunch Seminar - Syft
1:00 PM - 3:00 PM	Innovation Stage Talks- ThermoFisher 1:30pm - 1:45pm Shimadzu 1:45pm - 2:00pm Waters 2:00pm -2:15pm Tecan 2:15pm - 2:30pm		Poster Session - Monday Posters		Exhibition Hall
2:30 PM - 3:00 PM	Afternoon Tea				Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110
Concurrent Sessions	Metabolomics A	Proteomics: Top-Down	Food, Nutrition and Agriculture A	Forensics, Sports Doping, Homeland Security A	Ion Activation Methods
3.00 PM - 5.00 PM	<p>KEYNOTE: Anne Bendt - National University of Singapore</p> <p>Breanna Dixon (48 - Uncovering the resistance phenotype of carbapenemase-producing Enterobacteriaceae (CPE) using metabolomics)</p> <p>Prabhu Rangabashyam (438 - Elucidating novel fatty acid structures in vernix caseosa by combining ultraviolet photodissociation and ozone-induced dissociation mass spectrometry)</p> <p>Islam Sk Ramiz (205 - Identification of novel glucose-independent, and reversible metabolic pathways associated with anti-proliferative effect of metformin in HepG2 cells)</p> <p>Agustinus Thomas Soerianto (445 - Utilizing high resolution mass spectrometry and cheminformatic approaches to delineate the full metabolic capability of the parasitic protist Leishmania mexicana)</p> <p>Patrik Spanel (86 - Gas Phase Reactions of O-, OH-, O2- and NO2-with Volatile Fatty Acids for Quantitative SIFT-MS Breath Analyses)</p> <p><i>Chair - Nicola Gray</i></p>	<p>KEYNOTE: Ying Ge - University of Wisconsin</p> <p>Jack Bennett (559 - Uncovering hidden protein modifications with native top-down mass spectrometry)</p> <p>Athanasios Smyrnakis (624 - A new adaptation of the Omnitrap platform integrated into a trapped ion mobility time-of-flight mass spectrometer)</p> <p>Tatiana Samgina (144 - EThcD method as a unique tool for top-down de novo sequencing of intact amphibian skin peptides)</p> <p>Christian Neusüß (52 - Characterization of proteoforms of intact proteins by 2-dimensional CE-MS techniques)</p> <p>Muhammad Zenaidee (369 - Ion mobility curated internal fragments enhance on-line top-down proteomics experiments)</p> <p><i>Chair - Helen Cooper</i></p>	<p>KEYNOTE: Melanie Downs - University of Nebraska-Lincoln</p> <p>Genc Heljiti (61 - The Proteomes that Feed the World: Unveiling Plant Proteomics and Peptidomics)</p> <p>Michelle Colgrave (606 - Proteomics application to deliver healthy and sustainable foods of the future)</p> <p>Peter Hoffmann (495 - Diving Deep into the Faba Bean Proteome)</p> <p>Larissa Buedenbender (512 - chelOMICS for a holistic understanding of siderophore-mediated host-pathogen interactions in aquaculture infections)</p> <p>Omar Mendoza-Porras (453 - Understanding Thermal Stress in Salmon Tissues Using Proteomics and Metabolomics)</p> <p><i>Chair - Subhra Chakraborty</i></p>	<p>KEYNOTE: Chris Gill - Vancouver Island University</p> <p>Maiken Ueland (122 - When disaster strikes, locating victims using electronic nose technology)</p> <p>Jeff Zonderman (387 - Rapid Chromatography-Free Quantitative Screening of Synthetic Cannabinoids in Urine Using a Novel DART-TripleQuad MS)</p> <p>Louise O'Grady (25 - Identifying Psychedelics in Australian Acacia Species: Wattle We Do?)</p> <p>Simon Ovenden (392 - The identification of VX chemical attribution signatures from four different synthetic methods)</p> <p>Lisa Scharrenbroch (95 - High-Resolution and Isotope Ratio Mass Spectrometry based profiling of Ricinus communis - A forensic approach)</p> <p><i>Chair - Nick Manicke</i></p>	<p>KEYNOTE: Shabaz Mohammad - Rosalind Franklin Institute University of Oxford</p> <p>Catherine Costello (671 - ExD fragmentation and multistage MSn facilitate high-confidence characterization of intact glycopeptides and glycolipids)</p> <p>Rachel Ogorzalek Loo (246 - The Big Break Up—Understanding How a Subunit or Polypeptide Abandons its Noncovalent Complex in Native Top-Down MS)</p> <p>Li Ding (169 - Implementation of Electron Capture Dissociation in an RF Linear Ion Trap without Assistance of Magnetic Field)</p> <p>Oliver Hale (351 - Declustering protein complexes by infrared photoactivation for in situ native mass spectrometry)</p> <p>Takahashi Hidenori (434 - Ion Fragmentation for Detailed Lipid Structural Analysis using Atomic Hydrogen/Oxygen Irradiation (HAD/OAD))</p> <p><i>Chair - Hahn Bin Oh</i></p>

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Evening Workshops			
Light Catering provided for evening workshop attendees from 5:00pm - 5:30pm			
5.30 PM - 7.30 PM	IMSF Focus Group: MS Imaging Organisers: Martina Marchetti-Deschmann (Vienna University of Technology) and Samuele Zorrato (Medical University of Vienna)	FeMS Workshop <i>Empowering Women Mass Spectrometrists in a Traditionally Male-Dominated Workplace</i> Organisers: Denise Tran (University of Sydney)	IMSC Spectroscopy-MS Workshop <i>Uniting Mass spectrometry and laser spectroscopy</i> Organisers: Caroline Dessent (University of York) and Sarah Wilson (University of York)
7.00 PM - 11.00 PM	Affiliates Dinner - Invitation only event		Old Melbourne Gaol

Tuesday 20 August					Location
8.00 AM - 5:00 PM	Conference Registration				Main Foyer 3
8.30 AM - 9.30 AM	Plenary - Professor Jana Roithova - Radboud University Netherlands <i>Chair - W. Alex Donald</i>				Plenary
9.30 AM - 10.00 AM	Morning Tea				Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110
Concurrent Sessions	Clinical 'omics	Mass Spectrometry in Structural Biology B	Data Science in Mass Spectrometry A	Ionization Methods	Environmental Mass Spectrometry A
10.00 AM - 12.00 PM	KEYNOTE: Thomas Kislinger - University of Toronto Nicola Gray (496 - Signatures of future bronchiectasis risk in children with cystic fibrosis via lipid profiling of bronchoalveolar lavage fluid) Tereza Kacerova (231 - Unlocking Cognitive Impairment: Integrative Analysis Across Multiple Metabolomics and Lipidomics Platforms Reveals Promising Biomarkers for Diagnosis and Prognosis) Anna Emilia Hoffman (71 - Interplay between sphingolipid metabolism and the endocannabinoid system in schizophrenia: Insights into biomarker candidacy) Thomas Meikle (455 - Development and clinical translation of high-throughput lipidomic profiling for the assessment of individual cardiometabolic risk) Elizabeth Want (531 - Exploring novel metabolic changes in tissue injury: possible new treatment routes) <i>Chair - Stefani Thomas</i>	KEYNOTE: Lisa Jones - University of California San Diego Adalet Memetimin (582 - Improved identification of cross-linked peptide pairs by focused accurate inclusion mass screening (fAIMS)) T. W. Dominic Chan (203 - Millimeter Water-in-Oil Droplet as an Alternative Back Exchange Prevention Strategy for Hydrogen/Deuterium Exchange Mass Spectrometry of Peptide/Protein) Joshua Sharp (28 - Radical Protein Footprinting in Stabilized Whole Blood) Kuang-Ting Kuo (275 - Integration of Structural Proteomics and Computational Simulation for Elucidating Structural-Activity Relationships of Novel PPAR γ Inverse Agonists in Metabolic Disease) Terese Eisgruber (233 - Investigating Modification-Specific Interactions of Linker Histone H1 by Mass Spectrometry-based Proteomics) <i>Chair - Michal Sharon</i>	KEYNOTE: Paul Pigrim - La Trobe University Alexander Aksenov (55 - Illuminating the Dark Matter of Metabolomics Through Molecular Community Networking) Mengbo Li (27 - Missingness-informed protein quantification and differential expression analysis) Yuji Sekiguchi (290- Genomically predicted protein mass database (GPMsDB) for rapid and broad-spectrum identification of bacterial and archaeal isolates by mass spectrometry) Piotr Radziński (245 - Contrastive learning encoding algorithm of MS images for memory management and segmentation enhancement) Toan Phung (349 - CHRONICLE, A Family of Tools and Softwares for Mass Spectrometry-based Proteomics Data Processing, Analysis, Visualization, and Exploration) <i>Chair - Mark Condina</i>	KEYNOTE: Nathalie Agar - Brigham and Women's Hospital Lea Ledoux (355 - Bacterioscore in 2D/3D MS imaging: pioneering in vivo cancer microbiome study and its link with diagnosis and patient survival) Yoichi Otsuka (34 - Mass spectrometry imaging of a single HeLa cell by tapping-mode scanning probe electrospray ionization) Jae-Chul Pyun (123 - Laser desorption/ionization (LDI) mass spectrometry based on nanomaterials for biomedical applications) Garry Corthals (572 - Electroless ionisation mass spectrometry (ELI-MS): a simple, speedy and soft ionisation method) David Borts (91 - A Coated Blade Spray Mass Spectrometry Workflow for Rapid Toxicology General Unknown Screening) <i>Chair - Yu Bai</i>	KEYNOTE: Kevin Thomas - University of Queensland Alicia Macan Schonleben (236 - Occurrence and Patterns of Emerging Organic Chemicals in Vegan and Vegetarian Products) Michaela Lerch (282 - Mass Spectrometric Profiling of Antarctic Sea Water for Expedited Chemical Regulation) Elliot Price (556 - Functional analysis of chemical exposure and health by applying molecular hallmark principles) Yik-Sze Lau (412 - The Coupling of a High-efficiency Aerosol Collector with Electrospray Ionisation/Orbitrap Mass Spectrometry for the Real-time Chemical Characterisation of Aerosol Particles) Quan Cheng (242 - Improving Cytotoxicity Study with Single Cell Lipid Profiling of Microalgae and Bacterial Cells by Microchip-MALDI-MS) <i>Chair - Emma Schymanski</i>

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12.00 PM - 1.00 PM	Lunch (no catering) <i>Sponsored Lunch Seminars:</i>				Exhibition Hall
Sponsored Lunch Seminars	Meeting Room 105	Meeting Room 106		Meeting Room 109	
1.00 PM - 2.00 PM	Lunch Seminar - Bruker	Lunch Seminar - Waters		Lunch Seminar - Sciex	
1:00 PM - 3:00 PM	Innovation Stage Talks: IonOptics 1:15pm - 1:30pm ThermoFisher 1:30pm - 14:45pm Agilent 1:45pm - 2:00pm Waters 2:00pm - 2:15pm		Poster Session - Tuesday Posters		Exhibition Hall
2:30 PM - 3:00 PM	Afternoon Tea				Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110
Concurrent Sessions	Metabolomics B	Proteomics: Method Development	Food, Nutrition and Agriculture B	Ion Mobility A	Ion Chemistry, Reactions and Structure B
3.00 PM - 5.00 PM	<p>KEYNOTE: David Wishart - University of Alberta</p> <p>Rafael Montenegro Burke (509 - The Human Metabolome Atlas unveils metabolic heterogeneity across cell types and stratifies cancer subtypes) Darren Creek (456 - Combining metabolite standards cocktails with IDEOM v24 to enable routine semi-targeted metabolomics) Per Andr�n (681 - Spatial metabolomics reveals region-specific alterations induced by parkinsonism and L-DOPA-induced dyskinesia) Fan Yang (16 - Untargeted mass spectrometry-based metabolomics workflow optimization for chronic and autoimmune chronic pancreatitis biomarker discovery) Soumen Manna (714 - Effect of wearing face mask on cardiopulmonary parameters and salivary metabolome)</p> <p><i>Chair - Elizabeth Want</i></p>	<p>KEYNOTE: Ruijun Tian - Southern University of Science and Technology</p> <p>Christopher Overall (413 - Multiplex MS Profiling of SARS-CoV-2 3CLpro/Main Protease Cleavage Kinetics for Ranking Interactors as Substrates and Designing Optimal Peptide Assay Formats) Haoyun Fang (448 - Deciphering subcellular proteomic niches of mouse heart using label-free DIA-MS and machine learning) Bente Siebles (343 - Spatial resolved mass spectrometric proteomics analysis facilitated by infrared laser-based sampling of infected murine bladders) Kermit Murray (563 - Laser Ablation Mass Spectrometry of Native Proteins) Coleen Maxwell (13 - The Edge Effect in High-Throughput Proteomics: A Cautionary Tale)</p> <p><i>Chair - Lin Qingsong</i></p>	<p>KEYNOTE: Bruno Fedrizzi -The University of Auckland</p> <p>Oscar Nunez (35 - High-throughput LC-LRMS and FIA-LRMS fingerprinting and polyphenolic profiling for the geographical characterization and authentication of honey) Yada Novalchai (165 - Enhancing food safety and authenticity: GC-MS analysis of adulterated edible oils and early detection of foodborne pathogens) Jessica Prenni (573 - The Periodic Table of Food Initiative) Rebecca Jelley (270 - Using HPLC-MS/MS to uncover novel thiols in hops) Arundhati Singh (447 - Mass spectrometry to unveil the foliar distribution of fluxapyroxad within fungicide seed-treated barley)</p> <p><i>Chair - Zhongpin Yao</i></p>	<p>KEYNOTE: Perdita Barran -The University of Manchester</p> <p>Alex Shvartsburg (568 - Novel Differential Ion Mobility Approaches Based on the Macromolecular Dipole Alignment) Tim Causon (545 - The role of unsaturation in defining the 3-dimensional structure of ionised lipids in the gas phase) Christopher Wootton (66 - A prototype TIMS-FT-ICR MS instrument capable of deep characterisation of complex samples) Yiming Wang (298 - Simultaneous Polyphenol Profiling and Quantification with LC-TIMS-TOF-MS: An Application to Different Apple Matrices) Jackie Mosely (565 - Structures for ion mobility resolved radical cations of benzocaine, and consequences for dissociation.)</p> <p><i>Chair - Valarie Gabelica</i></p>	<p>KEYNOTE: Isabelle Compagnon - University of Lyon</p> <p>Andy Chi Kit Siu (706 - Impact of Solvent Reorganization on Disulfide Bond Cleavage in Hydrated Electron Clusters) Frantisek Turecek (89 - Nitrile Imines as Photochemical Crosslinkers in Gas-Phase Peptide Ions: Reactivity and Action Spectroscopy) Han Bin Oh (166 - A combination of genetic code expansion and free radical-initiated peptide sequencing mass spectrometry) Nicole Rijs (190 - Directing Molecular Trams on the Picoscale! Perturbing Structural Outcomes of Self-Assembly Monitored by Ion Mobility Mass Spectrometry) Caroline Dessent (574 - Mapping the Photodegradation Products of Antibiotics Using Laser Interfaced Mass Spectrometry)</p> <p><i>Chair - Chris Hansen</i></p>
Evening Workshops <i>Light Catering provided for evening workshop attendees from 5:00pm - 5:30pm</i>					
5.30 PM - 7.30 PM	<p style="text-align: center;">IMSF Focus Group: Native MS <i>Integrating native and structural MS methods to solve open questions in structural/mechanistic biology and medicine</i></p> <p style="text-align: center;"><i>Organisers: Anton Calabrese (University of Leeds)</i></p>	<p style="text-align: center;">IMSC Sustainability Workshop <i>Sustainability in Mass Spectrometry: An International Perspective</i> Organisers: Perdita Barran (University of Manchester), Gordon Kearney (Shimadzu Research Laboratory, Europe) and Chris Bowen (Shimadzu Scientific Australasia)</p>		<p style="text-align: center;">IMSC Paper Writing Workshop <i>Write Right: How to Improve Your Scientific Writing</i></p> <p style="text-align: center;">Organisers: John Langley (University of Southampton)</p>	

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		Wednesday 21 August				Location
8.00 AM - 5:00 PM	Conference Registration					Main Foyer 3
8.30 AM - 9.30 AM	Plenary - IMSF Curt Brunnee and Jochen Franzen awards					Plenary
9.30 AM - 10.00 AM	Morning Tea					Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110	
Concurrent Sessions	Imaging Mass Spectrometry: Applications	Biopharmaceuticals and Vaccines	Protein-Interactions	Forensics, Sports Doping, Homeland Security B	High Throughput Sampling, Screening and Analysis	
10.00 AM - 12.00 PM	<p>KEYNOTE: Kristine Glunde - Johns Hopkins Medical Institutions</p> <p>Isabelle Fournier (372 - Click and Detect: A New Generation of Tagged Probes for Customized Targeted Multiplex MS Imaging)</p> <p>Esther Cheow (547 - Spatial Multi Omics Strategy to Advance Target Biology and Biomarker Discovery for Pulmonary Fibrosis)</p> <p>Charles Schurman (358 - Spatial Proteomics via Extracellular Matrix Imaging of Bone Fracture Callus Reveals Delayed Transition of Osteochondral Remodeling with Age)</p> <p>Jayden Mckinnon (260 - Unveiling Single Cell Small Metabolite Distributions via an Oversampling approach enabled by MALDI-2-MSI)</p> <p>Haruki Ochino (672 - Sex-dependent changes in renal spatial lipidome revealed by MALDI-2-TIMS-MS imaging)</p> <p><i>Chair - Ron Heeren</i></p>	<p>KEYNOTE: Da Ren - BioTherapeutics Solutions</p> <p>Daniele Fabris (340 - A Mid-Down Strategy for the Characterization of Non-Coding and mRNAs)</p> <p>Phillip Bittner (208 - In-depth Characterization of DNA-Encoded Chemical Libraries using Native Mass Spectrometry: The Impact of DNA-tags on Binding Affinities)</p> <p>Devin Makey (235 - Cyclic Ion Mobility-Mass Spectrometry for Rapid Protein Structure and Stability Assessment During the Development of Next-Generation Antibody Therapeutics)</p> <p>Laura van der Vloet (540 - Visualizing antisense oligonucleotides and its biological impact in brain tissue using a multi-omics mass spectrometry imaging approach)</p> <p>Ilse Marialuce De Salve (117 - Hybrid Immunocapture (IC)/LC-MS methods for the quantification of New Biological entities (NBE) and ADC (Antibody Drug Conjugates);perspective on different approaches.)</p> <p><i>Chair - Matthias Pelzing</i></p>	<p>KEYNOTE: Lan Huang - University of California</p> <p>Ashleigh Dale 633 - Membrane and flagellar enrichment increase the depth of large-scale bacterial interactomics studies using ion mobility and cross-linking mass spectrometry (XL-MS))</p> <p>Liuyu Peng (196 - A Co-Fractionation Mass Spectrometry-Based Method for Investigating Disease Associated Alterations in Lipid-Protein Interactomes)</p> <p>Venita Sitahal (363 - Elucidating the Structural Dynamics of Binding Interactions in Regulator of G-Protein Signaling-1 (RGS1) using Hydrogen Deuterium Exchange Mass Spectrometry (HDX-MS))</p> <p>Adam Cahill (322 - Development of photoactivatable lysine reactive crosslinking reagents)</p> <p>Debashmita Ghosh (337 - Mass Shifts Induction by Protein-Protein Interactions: A Novel Direct-MS Method)</p> <p><i>Chair - Dezeræ Cox</i></p>	<p>KEYNOTE: Adam Cawley - Racing Analytical Services Ltd</p> <p>Caitlin Jenkins (10 - Chemical Analysis of Electronic Cigarettes in Australian Schools)</p> <p>Madysen Elbourne (543 - The indirect detection of dopaminergic manipulation in equine urine via an optimised routine and metabolomic-based LC-HRMS method.)</p> <p>Kin-sing Wong (47 - Screening and confirmation of recombinant human follistatin in equine plasma for doping control purposes)</p> <p>Conor Jenkins (570 - Soldier-on-a-Chip: Biomarker Identification through Multiomic Analyses of Chemical and Biological Threat Exposures to Model Organ-on-a-Chip Systems)</p> <p>Bruce Pui-nam (645 - Gene doping control analysis of human erythropoietin transgene in equine plasma by PCR-liquid chromatography high resolution tandem mass spectrometry)</p> <p><i>Chair - Mario Thevis</i></p>	<p>KEYNOTE: Yashushi Ishihama - Kyoto University</p> <p>Laura Sanchez (68 - Trapped ion mobility spectrometry for high-throughput directed evolution screening of α-ketoglutarate dependent dioxygenases)</p> <p>Tin Cham Mak (197 - Discovery of inhibitor against Mycobacterium tuberculosis Leucyl-tRNA synthetase (LeuRS) via Mass Spectrometry-based screening)</p> <p>Rachel Smith (229 - Development of automated high-throughput mass spectrometry methods for biotechnology and biomedical targets using desorption electrospray ionisation)</p> <p>Xiaobo Tian (45 - Differentiating specific and non-specific protein-metabolite interactions using gradient open port probe electrospray ionization mass spectrometry)</p> <p>Chengyi Xie (429 - Cellular-level resolution DESI-MS imaging)</p> <p><i>Chair - Philippe Schmitt-Kopplin</i></p>	
12.00 PM - 1.00 PM	Lunch (no catering) Sponsored Lunch Sessions:					Exhibition Hall
Sponsored Lunch Seminars	Meeting Room 105		Meeting Room 106		Meeting Room 109	
1.00 PM - 2.00 PM	Lunch Seminar - ThermoFisher		Lunch Seminar - Shimadzu		Lunch Seminar - Evosep	

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1:00 PM - 3:00 PM	Innovation Stage Talks: Merck 1:15pm -1:30pm Syft 1:30pm - 1:45pm Agilent 1:45pm - 2:00pm Trajan 2:00pm - 2:15pm Bruker 2:15pm - 2:30pm			Poster Session - Wednesday Posters		Exhibition Hall
2:30 PM - 3:00 PM	Afternoon Tea					Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110	
Concurrent Sessions	Lipidomics: Technology	Proteomics: Quantitative	Polymers and Nanomaterials	Hyphenation, Separations, Lab-on-a-Chip	Ion Mobility B	
3.00 PM - 5.00 PM	<p>KEYNOTE: Makoto Arita - Keio University</p> <p>Takeshi Bamba (126 - Solid phase extraction and LC/MS/MS methods for comprehensive targeted profiling of bioactive lipids) Myeong Hee Moon (72 - Optimization of skin sampling method for lipidomic analysis by nanoflow nUHPLC-ESI-MS/MS) Gerard Hopfgartner (367 - Enhanced Mass Spectrometry Workflows using ESI and APPI with Multi Ion Activation Methods for Characterization of Lipids in Plasma Samples) Huong Giang Vo (336 - Comprehensive analysis of structural glycosphingolipids in clinical samples using trapped ion mobility spectrometry mass spectrometry) Huaqi Su (54 - Multi-omics characterization of highly enriched human plasma extracellular vesicles) <i>Chair - Yu Xia</i></p>	<p>KEYNOTE: Jesper Olsen -University of Copenhagen</p> <p>Nathan Burke (248 - Phosphoproteomic analysis of human sperm capacitation reveals novel, druggable kinases offering new non-hormonal male contraceptive targets) Molly Talbot (617 - Reversibly oxidised cysteine post-translational modifications in diabetic cardiomyopathy following antioxidant N-propionylglycine, identified using quantitative mass spectrometry.) Subra Chakraborty (712 - Climate Change & Food Security: Organellar Crosstalk and Post-translational Control Shaping Plant Immunity) Scott Peterman (518 - Novel Hybrid Nominal Mass Instrument Enables Rapid Development of Large-Scale Targeted Plasma Proteomics Assays) Li Zhong (11 - Mass Spectrometry Proteomics Reveals PLEK as a Biomarker for the Early Phase of Severe COVID-19) <i>Chair - Mark Malloy</i></p>	<p>KEYNOTE: Xiaopeng Li -Shenzhen University</p> <p>Scott McLuckey (629 - Ion/Ion Reactions for Complex Mixture Analysis: Precursor Resolution via Ion Z-state Manipulation (PRIZM)) Takaya Satoh (128 - High Mass Resolution Mass Spectrometry for Assessing Polyethylene terephthalate Degradation: A Comprehensive Study using MALDI-TOFMS and GC-TOFMS) Callan Littlejohn (554 - Tools for Polymer Identification using Ultra-high Resolution Mass Spectrometry) Elvis Okoffo (548 - Quantitative analysis of micro- and nano-plastics in environmental samples by pyrolysis gas chromatography mass spectrometry) Laura Puente-De La Cruz (379 - Micro and nanoplastic migration from plastic breast milk storage bags and storage bottles) <i>Chair - Laurent Charles</i></p>	<p>KEYNOTE: Jin-Ming Lin -Tsinghua University</p> <p>Hartmut Schluter (232 - Towards original compositions of proteoforms in tissues via soft laser ablation) Andrei Fedorov (67 - MicroTAS (Total Analysis System) for ESI-MS Dynamic Monitoring of Extracellular Proteome and Intracellular Metabolome in Cell and Gene Therapy Biomanufacturing) Nick Manicke (365 - On-Paper Electrophoretic Stacking and Separations Coupled to Paper Spray Mass Spectrometry) John Langley (26 - Sustainable fuels and the need for different hyphenated solutions) Russell Grant (562 - High Throughput Quantitative Amino Acid Analysis for The Masses) <i>Chair - Myeong Hee Moon</i></p>	<p>KEYNOTE: Kevin Pagel - Freie Universität Berlin</p> <p>Felicia Hansen (497 - Direct observation of phospholipase A activity via isomer-resolved mass spectrometry.) Bram van de Put (325 - Towards De Novo Sequencing of Oligosaccharides Using Cyclic Ion Mobility Spectrometry) David Marshall (281 - Separation and characterisation of isomeric coordination complexes with high-resolution ion mobility mass spectrometry) Madellen Wooding (74 - The Story of a Sorptive Sampler: From Fairy Circles to the Detection of Tuberculosis-Associated Compounds using GCxGC-TOFMS and UPLC-IMS-HRMS) Patricia Skowronek (312 - Optimal trapped ion mobility workflows coupled with di-PASEF and synchro-PASEF for high throughput and sensitivity) <i>Chair - Tim Causon</i></p>	
Evening Workshops <i>Light Catering provided for evening workshop attendees from 5:00pm - 5:30pm</i>						
5.30 PM - 7.30 PM	IMSF Focus Group: MS Instrumentation <i>The journey from instrument concept, prototype development, to market</i> Organisers: Shane Ellis (University of Wollongong)			IMSC Career Workshop <i>Navigating career pathways for the mass spectrometrist</i> Organisers: Jackie Mosely (University of York)		

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Thursday 22 August

Thursday 22 August					Location
8.00 AM - 5:00 PM	Conference Registration				Main Foyer 3
8.30 AM - 9.30 AM	Plenary Professor Yu-ju Chen - Academia Sinica Taiwan <i>Chair - Melanie White</i>				Plenary
9.30 AM - 10.00 AM	Morning Tea Innovation Stage Talks: Sciex 9:40am - 9:55am				Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110
Concurrent Sessions	PTMs and Cross Talk, Cellular Signalling and Systems Biology	Cancer and Immunology	Environmental Mass Spectrometry B	Chemistry at the Solution/Gas Phase Interface	Ion Chemistry, Reactions and Structure C
10.00 AM - 12.00 PM	KEYNOTE: Rena Robinson - Vanderbilt University Marco Jochem (444 - Analysing Non-Proteinaceous Ubiquitination by Mass Spectrometry) Guangcan Shao (503 - Mapping the Modification Sites of Ubiquitin-like Proteins (UBLs)) Siqi Li (189 - Development of highly sensitive mass spectrometry methods for phosphorylated protein analysis) Lin Zhu (130 - Real-world PM2.5 Exposure Causes Liver Metabolic Reprogramming via Oxidation of Specific Cysteine Residues on MDH2 and CPT2 in Mice) Maria Tanzer (44 - Proteome profiling of macrophage reprogramming upon dead cell clearance) <i>Chair - Ben Parker</i>	KEYNOTE: Bernd Wollscheid - Swiss Federal Institute of Technology Arash Zarrine-afzar (14 - 10-second Classification of Lung Cancer Subtypes by Picosecond Infrared Laser Mass Spectrometry: Evaluation of Diagnostic Power Across Various Tissue Models) Michelle Hill (611 - Ovarian cancer serum glycoform biomarker panel discovery to lectin magnetic array-mass spec (LeMBA-MS) clinical assay) Hong Yan (80 - Machine Learning-Driven Identification of sex and KRAS specific features for Ferroptosis-Targeted Drug Repurposing in Colorectal Cancer) Paula Nissen (120 - Quantitative mass spectrometric proteome analysis of colorectal carcinoma liver metastasis reveals distinct phenotypes associated with specific signalling pathways and survival) Nicole Brace (680 - A Study of Altered B Cell Responses to PAMP-Activation in Schizophrenia) <i>Chair - Peter Hoffmann</i>	KEYNOTE: Jean Armengaud - CEA Yuanjiang Pan (188 - Wide-energy digital programmable microwave plasma for high coverage mass spectrometry analysis of various compounds) Hang-kin Kong (96 - Identifying Morphologically Similar Toxic Microalgal Strains by Proteomic Approaches) Zhu Yang (468 - Inducible energy source shift alleviates geo-specific PM2.5 components causing imbalances in energy metabolism) Siobhan Peters (460 - Bioaccumulation of the environmental neurotoxin BMAA in mussels exposed to cyanobacteria) Albert Lebedev (140 - Formation of Specific Disinfection By-products in Water treatment by Aqueous Chlorination) <i>Chair - Sutin Kingtong</i>	KEYNOTE: Xinxing Zhang - Nankai University Jongcheol Seo (359 - Investigating Protein Conformations Using Protein-Iodine Interactions) Lukas Benzenberg (29 - Microsolvation of charged residues prevents backbone collapse and aids in retention of native-like structural features after desolvation) Valerie Gabelica (307 - To unfold, or not to unfold, that is the question. On the preservation of solution phase structures upon electrospray ionization) Sangwon Cha (637 - Derivatization of Single Cell Saccharides and Analysis by Induced ESI MS) Qianhao Min (652 - Monitoring the Dynamic Fate of Interfacial Electrochemical Intermediates by Ambient Mass Spectrometry) <i>Chair - Shibdas Banerjee</i>	KEYNOTE: Zheng Ouyang - Tsinghua University Howard Ma (224 - Photoelectron Spectroscopy of Some Copper Borohydride and Acetylide Anions) Salome Poyer (507 - Copper-based mass spectrometry and ion mobility to resolve isomeric barriers of phosphatidylcholines) Oscar Lloyd Williams (462 - Of Cryptophanes and Cations: Unravelling structural changes induced by encapsulation or complexation.) Shibdas Banerjee (708 - Stabilizing Reactive Intermediates in Aqueous Microdroplets) Takemichi Nakamura (441 - Collision-Induced Isomerization of Cyclic Peptide Ions Probed by Energy-Resolved Ion Mobility/Tandem Mass Spectrometry: A Case of Anabaenopeptins) <i>Chair - Nicole Rijs</i>
12.00 PM - 1.00 PM	Lunch (no catering) Sponsored Lunch Seminars:				Exhibition Hall
Sponsored Lunch Seminars	Meeting Room 105				
1.00 PM - 2.00 PM	Lunch Seminar - ThermoFisher				

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1:00 PM - 3:00 PM	Innovation Stage Talks: Bruker 2:15pm - 2:30pm		Poster Session - Thursday Posters		Exhibition Hall
2:30 PM - 3:00 PM	Afternoon Tea				Exhibition Hall
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110
Concurrent Sessions	Neurodegeneration and Aging	Glycomics and Glycoproteomics	Single Cell Mass Spectrometry	Imaging Mass Spectrometry: Development/Technology	Data Science in Mass Spectrometry B
3.00 PM - 5.00 PM	<p>KEYNOTE: Birgit Schilling - University of California San Francisco</p> <p>Martina Marchetti-deschmann (481 - Spatially resolved analyses reveals significant changes of the N-glycome and transcriptome in aging skin)</p> <p>Gaurav Chopra (591 - Artificial Intelligent Agents for Automating Deep Lipidomics Workflows to Investigate Alzheimer's Disease and Aging-Related Lipid Droplets)</p> <p>Michael Gotsbacher (636 - Biodistribution of a Copper-Delivering Agent in Mouse Brains)</p> <p>Emily Byrd (324 - Understanding how ALS-associated mutations alter the structure and phase separation propensity of the TDP-43 C-terminal domain using structural mass spectrometry)</p> <p>Emma Schymanski (173 - Can Small Molecules Provide Clues on Disease Progression in Cerebrospinal Fluid from Mild Cognitive Impairment and Alzheimer's Disease Patients?)</p> <p><i>Chair - Rena Robinson</i></p>	<p>KEYNOTE: Nicki Packer - Macquarie University</p> <p>Xue Sun (616 - Large-Scale pattern analysis of N- and O-glycoproteomics using ion-mobility assisted mass spectrometry)</p> <p>Ronghu Wu (118 - Effective Mass Spectrometry-Based Methods for Comprehensive and Site-Specific Analysis of Surface Glycoproteins and Their Dynamics)</p> <p>Abarna Murugan (674 - Phyloglycomics: Mapping the serum glycome in vertebrates to understand the evolution of vertebrate glycosylation)</p> <p>Mark Larance (22 - Unbiased analysis of the human platelet proteome identifies a new form of domain-specific O-fucosylation generated by FUT10 and FUT11)</p> <p>Kristian Tkalec (83 - Protein Aggregation Capture enabled carboxylate group derivatisation allows proteome scale peptide supercharging for O-glycoproteomic analysis)</p> <p><i>Chair - Cathy Costello</i></p>	<p>KEYNOTE: Yu Bai - Peking University</p> <p>Andrew Ewing (346 - Correlation of Cellular Measurements of Partial Exocytosis and Nano Vesicular Subcompartments Using NanoSIMS)</p> <p>David Bishop (70 - Quantitative, Multiplexed, Immuno-Mass Spectrometry Imaging Of The Dystrophin-Glycoprotein Complex)</p> <p>Reuben Young (401 - Exploring different post-ionisation techniques coupled with MALDI-MSI for single cell lipidomics of neurons and astrocytes)</p> <p>Mariachiara Squillaci (366 - Single cell proteomics (SCP) analysis to study crosstalk dynamics of signaling complexes in extrinsic and intrinsic cell death pathways.)</p> <p>Nhu Phan (370 - Targeted molecular imaging with correlative NanoSIMS: Applications to study protein organization and turnover in neuronal cells.)</p> <p><i>Chair - Lingjun Li</i></p>	<p>KEYNOTE: Helen Cooper - University of Birmingham</p> <p>Martin Sala (601 - The Achilles heel of LA-ICP-MS (calibration) and how to solve it)</p> <p>Jianing Wang (127 - Subcellular Resolution MALDI Mass Spectrometry Imaging of Lipids)</p> <p>Alice Ly (212 - Weave: A software package for integrated spatial multi omics visualization and data analysis)</p> <p>Shane Ellis (383 - A MALDI-2-MSI source with transmission and reflective mode capabilities that exploits laminar gas flows of novel intermediate pressure ion guides)</p> <p>Jan Preisler (41 - Digital Mass Spectrometry Imaging using Nanoparticle Tags)</p> <p><i>Chair - Isabelle Fornier</i></p>	<p>KEYNOTE: Magnus Palmblad - Leiden University Medical Center</p> <p>Emma Palm (283 - Identifying dead-end pesticide transformation products of potential concern)</p> <p>Sarah Bamford (277 - Self-Organizing Maps with Relational Perspective Mapping (SOM-RPM) Applied to Time-of-Flight Secondary Ion Mass Spectrometry (ToF-SIMS) Data)</p> <p>Felix Servant (642 - Statistical separation of simultaneously activated precursors)</p> <p>Natan Horacek (113 - An automatic and unsupervised artificial peak detection approach for preprocessing GC-MS and GCxGC-MS metabolomic data.)</p> <p>Ove Johan Ragnar Gustafsson (384 - Proteomics Lab: streamlining computational proteomics for life scientists)</p> <p><i>Chair - Paul Pigrim</i></p>
6.00 PM - 10.00 PM	Conference Dinner - Showtime Events Centre				

Friday 23 August					Location
8.00 AM - 5:00 PM	Conference Registration				Main Foyer 3
8.30 AM - 9.30 AM	<p>Distinguished Keynote Speaker</p> <p>Koichi Tanaka - Executive Research Fellow, Shimadzu Corporation, Japan</p> <p><i>Chair - Gavin Reid</i></p>				Plenary
Location	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110
Concurrent Sessions	Mass Analysers	Plant 'omics	Earth, Space, Geoscience and Atmospheric Chemistry B	Recent Advances in Mass Spectrometry, and Beyond	Ion Chemistry, Reactions and Structure D

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9.30 AM - 11.00 AM	<p>KEYNOTE: Evan Williams - University of California, Berkeley</p> <p>Hamish Stewart (62 - Behind the Curtain: The Long Development of Next Generation HRAM Analyzers.)</p> <p>Yi-Sheng Wang (TBC)</p> <p>Taous Abar (20 - Analysis of VOCs in aqueous solutions using the coupling of an oven with a mobile FT-ICR-MS associated to chemical ionization)</p> <p><i>Chair - Zheng Ouyang</i></p>	<p>KEYNOTE: Joachim Kopka - Max-Planck-Institute of Molecular Plant Physiology (MPIMP)</p> <p>River Pachulicz (42 - Acid-catalysed esterification of anthocyanin glucosyl units in Brassica oleracea)</p> <p>Melanie Odenkirk (546 - Juicy Insights: A Standardized, Nontargeted Metabolomics Approach to Facilitate the Comparison of Apples to Apples Across the Globe)</p> <p>Laurent Bigler (297 - Structure elucidation of iron chelators produced by microorganisms)</p> <p><i>Chair - Ute Rosener</i></p>	<p>KEYNOTE: Haofei Zhang - University of California, Riverside</p> <p>Ralf Zimmermann (335 - Application of a Novel, Field-Deployable Single Particle Mass Spectrometer for Detection of Toxicants and Climate-Relevant Parameters in Wildfire Aerosols)</p> <p>Philippe Schmitt-Kopplin (100 -Molecular atlas of meteorite soluble organic matter using non-targeted ultra)high resolution organic spectroscopy reveals hydrothermal history of asteroid Ryugu samples)</p> <p>Trevor Ireland (431 - Highs and Lows in Analysis of Water with SIMS)</p> <p><i>Chair - Branka Miljevic</i></p>	<p>KEYNOTE: Yujia Qing - University of Oxford</p> <p>Niklas Geue (98 - Visualizing Conformational Dynamics of Biomacromolecules by Coupling Ion Mobility Mass Spectrometry to Electron Microscopy)</p> <p>Lar Gruber (213 - Guiding imaging mass spectrometry by mid-infrared vibrational spectroscopy for deep lipidomic profiling)</p> <p>Yanis Zirem (350 - Spatial multi-omics informed by SVD k-means++ clustering and statistical assessment of heterogeneity: Advance dry proteomic guided by lipids MALDI MSI)</p> <p><i>Chair - Justin Benesch</i></p>	<p>KEYNOTE: Vaughn Langford - Syft Technologies Limited</p> <p>Berwyck Poad (284 - Hyphenation of chromatography with ion-ion charge inversion chemistries for the resolution and structure elucidation of branched-chain lipids)</p> <p>Weiguo Wang (341 - Miniature Continuous Atmospheric Pressure Interfaced Ion Trap Mass Spectrometer with Radial Electric Field Driven Collision-Induced Dissociation and its applications)</p> <p>Hua Lei (267 - Photoionization/photoionization-induced chemical ionization mass spectrometry for operando characterization of catalytic reaction processes: instrumentation and applications)</p> <p><i>Chair - Scott McLuckey</i></p>
11:00 AM - 11:30 AM	Morning Tea				Exhibition Hall
	Plenary	Meeting Room 105	Meeting Room 106	Meeting Room 109	Meeting Room 110
	Concurrent Sessions	Toxicology and Metabolism	Biosimilars, Biobetters and Glycoengineering	Cultural Heritage, Conservation and Archaeology	JMS Awardee Session
11.30 AM - 1.00 PM	<p>KEYNOTE: Zongwei Cai - Hong Kong Baptist University</p> <p>Maya Cameron (393 - Comprehensive analysis of Endocrine Disrupting Chemicals using High Resolution Mass Spectrometry)</p> <p>Denise Tran (592 - Method Development for High-throughput Quantification of PFAS in Plasma for Correlation to the Omics Profile of Patients with Cardiovascular Disease)</p> <p>Gwendolyn Cooper (38 - Untargeted metabolomic analysis of acute lead exposure to Danio rerio embryos using LC-MS/MS)</p> <p><i>Chair - Laura Sanchez</i></p>	<p>KEYNOTE: Alain Beck - Laboratoires Pierre Fabre</p> <p>Magdalena Biesaga (37 - Identification of surfactants with antifungal activity produced by antarctic bacteria Bacillus subtilis strain)</p> <p>Troy Wood (230 - Quality Assurance Using Mass Spectrometry to Analyze Structural Fidelity of Monoclonal Antibodies in HIV-1 Therapeutics)</p> <p>Adam Pruska (345 - Temperature-Controlled Mass Spectrometry as a Tool for Structural Characterization of Enzymes and Antibodies)</p> <p><i>Chair - Hiroshi Hinou</i></p>	<p>KEYNOTE: Asher Newsome - Smithsonian Museum Conservation Institute</p> <p>Renaud Joannes-Boyau (TBC)</p> <p>Teodora Raicu (506 - MeV SIMS Approach for Identifying Colorants in Artists' Modern Inks)</p> <p>Paul Haynes (TBC)</p> <p><i>Chair - Paul Haynes</i></p>	<p><i>Chair - Miaomiao Liu</i></p>	<p>KEYNOTE: Vicki Wysocki - Ohio State University</p> <p>Lee Gethings (216 - Comprehensive discovery lipidomic workflow which utilizes a prototype, multi-reflecting ToF with integrated informatics, providing highly confident lipid characterization and quantification)</p> <p>Jordan Partington (459 - Comparison of high-resolution mass spectrometry acquisition methods for the simultaneous quantification and identification of per- and polyfluoroalkyl substances (PFAS))</p> <p>Benedict Gannon (560 - Effects of sustainable rejuvenator on aged British roads compared with commercial bitumen binder rejuvenator by FT-ICR MS)</p> <p><i>Chair - Lijljana Pasa-Tolic</i></p>
1.00 PM - 2.00 PM	Lunch (no catering)				
2.00 PM - 3.00 PM	<p>Closing Plenary</p> <p>Professor Veena Sahajwalla - University of New South Wales</p> <p><i>Chair - Sarah Hancock</i></p>				Plenary
3.00 PM - 4.00 PM	Closing Ceremony, Award Presentations and Presentation of IMSC2026				Plenary