Session #	Presenter First Name	Presenter Last Name	Paper Title	Organization	Presentation	Theme
2.3	M.M. Malikul	Ikram	GC-MS based metabolomics approach to evaluate shelf life-related metabolites in pineapple (Ananas comosus) ripening process	Osaka University	Poster Flash	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
2.4	Emily	Daubney	The Art of Storytelling in Metabolomics: Investigating ruminal metabolic changes of grazing heifers treated with 3-nitrooxypropanol (3-NOP)	UQ	Poster Flash	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
3.2	Iman	Zarei	Tissue-wide metabolic profiling in characterizing the impact of gut microbiota on germ-free and conventional mice metabolome	University Of Eastern Finland	Oral Pres	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
5.2	Nicolás	Zabalegui	Seawater Analysis by TM-DART-QTOF-MS-Based Metabolomics	CIBION-CONICET	Oral Pres	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
6.3	Evan	Pannkuk	Hepatic lipid signatures in little brown bats (Myotis lucifugus) and big brown bats (Eptesicus fuscus) with white nose syndrome	Georgetown University	Poster Flash	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
7 Keynote	Ute	Roessner	The role of lipids in plant microbe interactions under stress	University Of Melbourne	Keynote Speaker	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
7.1	Carlos	Martel	One mimic might not be enough: the flowers of Telipogon chemically and visually mimic two organisms	Pontificia Universidad Católica Del Perú	Oral Pres	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
7.2	Sastia Prama	Putri	Multi-omics approach for the identification of underlying mutations and metabolic perturbations that allow restructuring of metabolism for improved growth and 1-butanol production in minimal medium	Osaka University	Oral Pres	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
7.3	Denni	Currin-Ross	The metabolic response to infection with Wolbachia pipientes implicates the insulin/insulin-like-growth factor and hypoxia signalling pathways in Drosophila melanogaster.	The University of Queensland	Poster Flash	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
8 Keynote	Eiichiro	Fukusaki	Peptide and D-amino acid profile information facilitate precision of food metabolomics for fermented foods	Osaka University	Keynote Speaker	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
8.1	Fui Shien (Irene)	Chong	Rapid Evaporative Ionisation Mass Spectrometry (REIMS) as a Real-Time Tool for Fish Fraud Detection	Queen's University Belfast	Oral Pres	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
9.2	Matthew	Davey	Snow algae communities in Antarctica – metabolic and taxonomic composition	Scottish Association For Marine Science	Oral Pres	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
12.2	Dania	Malik	The Interaction of Sleep and Circadian Metabolic Perturbations in Drosophila Short Sleep Models	University Of Pennsylvania	Oral Pres	Environmental, Plant, Animal, Agriculture, Food, and Model Organisms
1 Keynote	Jeremy	Nicholson	Molecular Phenomics at a Time of Crisis: Deconstructing the Pathology of SARS CoV-2 Infection	Murdoch University	Keynote Speaker	Metabolomics in Health and Medicine
1.1	Liang	Liang	The Metabolic Clock of Human Pregnancy	Stanford University	Oral Pres	Metabolomics in Health and Medicine
2.1	Yuping	Cai	Kynurenic acid underlies sex-specific immune responses to COVID-19	Yale University	Oral Pres	Metabolomics in Health and Medicine
3 Keynote	Matej	Oresic	Disentangling the causes of early-onset type 1 diabetes by metabolomics	Örebro University	Keynote Speaker	Metabolomics in Health and Medicine
3.3	Joana	Pinto	A new approach to detect clear cell renal cell carcinoma (ccRCC) based on urine odour fingerprint	University of Porto	Oral Pres	Metabolomics in Health and Medicine
4 Keynote	Gabi	Kastenmüller	Metabolomics at epidemiological scale - from big data to big insights?	Helmholtz Zentrum München	Keynote Speaker	Metabolomics in Health and Medicine
4.1	Laure	Dossus	Prospective Analysis of Circulating Metabolites and Endometrial Cancer risk in the EPIC cohort	International Agency For Research On Cancer	Oral Pres	Metabolomics in Health and Medicine

Session #	Presenter First Name	Presenter Last Name	Paper Title	Organization	Presentation	Theme
4.3	Alexander	Buko	Novel One-stop Metabolomics Solutions for Biomarker Discovery	Human Metabolome Technologies, Inc.	Sponsor	Metabolomics in Health and Medicine
4.5	Joan	Miro-Blanch	Gender and microbiota shape metabolism and epigenetic marks in the host	Rovira I Virgili University	Poster Flash	Metabolomics in Health and Medicine
5 Keynote	María	Monge	Mass spectrometry-based strategies for improving diagnosis of clear cell renal cell carcinoma	Centro de Investigaciones en Bionanociencias (CIBION) - CONICET	Keynote Speaker	Metabolomics in Health and Medicine
5.3	Richard	Kibbey	Drug Metabolism Database: An Integrated Omics study to catalogue metabolic changes from 500 drugs, in 50 different cell lines over 5 years.	SCIEX	Sponsor	Metabolomics in Health and Medicine
6 Keynote	Corey	Giles	Genome-wide study of the human lipidome and links to cardiovascular disease risk	Baker Heart And Diabetes Institute	Keynote Speaker	Metabolomics in Health and Medicine
6.2	Kari	Wong	Using Metabolomics to Understand Health and Disease	Metabolon	Sponsor	Metabolomics in Health and Medicine
6.4	Songjie	Chen	Multi-omics profiling of NGLY1 deficiency patients and cellular models to characterize molecular phenotypes	Stanford University	Poster Flash	Metabolomics in Health and Medicine
9 Keynote	Aurelia	Williams	Building the HIV metabolomics puzzle	North-West University	Keynote Speaker	Metabolomics in Health and Medicine
9.1	Ivayla	Roberts	Untargeted metabolomics of COVID-19 patient serum reveals potential prognostic markers of severity and outcome	University Of Liverpool	Oral Pres	Metabolomics in Health and Medicine
9.3	Tomás Clive	Barker Tejeda	Metabolomics: a novel approach in the study of cow's milk allergy	Cembio, Universidad Ceu San Pablo	Poster Flash	Metabolomics in Health and Medicine
10.1	Jose L.	Flores-Guerrero	A Metabolomic Index Based on Lipoprotein Subfractions and Branched Chain Amino Acids, is Associated with Development of Hypertension in a General Population Prospective Cohort.	University Medical Center Groningen	Oral Pres	Metabolomics in Health and Medicine
10.2	Rachel	Kelly	Metabo-Endotypes of Asthma Display Clinically Important Differences in Lung Function	Harvard Medical School	Oral Pres	Metabolomics in Health and Medicine
11.3	Stefania	Noerman	Associations of the serum metabolite profile with a healthy Nordic diet and risk of coronary artery disease	University Of Eastern Finland	Poster Flash	Metabolomics in Health and Medicine
12.1	Ines	Lains	Genomic-Metabolomic Associations in Age-Related Macular Degeneration (AMD)	Mass Eye and Ear, Harvard Medical School	Oral Pres	Metabolomics in Health and Medicine
1.2	Isabel	Meister	An automated high precision workflow for untargeted LC-MS-based urinary metabolomic epidemiology	Gunma University	Oral Pres	Technology, Systems Biology & Advancing the Field
1.3	Zhiwei	Zhou	Ion Mobility Collision Cross-Section Atlas for Known and Unknown Metabolite Annotation in Untargeted Metabolomics	Shanghai Institute Of Organic Chemistry, Chinese Academy Of Sciences	Oral Pres	Technology, Systems Biology & Advancing the Field
2.2	Partho Sarathi	Sen	Genome-scale metabolic modelling of human hepatocytes reveals intrinsic role of glycosaminoglycans in non-alcoholic fatty liver disease	Turku Bioscience, University Of Turku	Oral Pres	Technology, Systems Biology & Advancing the Field
3.1	Mario	Correia	Advanced metabolomics and chemical biology approaches for selective analysis of microbiota and human host co-metabolism	Uppsala University	Oral Pres	Technology, Systems Biology & Advancing the Field
4.2	Therese	Koal	Zoom onto your favorite metabolic pathway	Biocrates Life Sciences AG	Sponsor	Technology, Systems Biology & Advancing the Field

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4.4	Vera	Plekhova	Multi-matrix optimization and validation of LA-REIMS for rapid metabolic fingerprinting of biofluids: evolving towards clinical point-of-care applicability	Ghent University	Poster Flash	Technology, Systems Biology & Advancing the Field
5.1	Ioanna	Ntai	Exceptional Orbitrap performance enables robust quantitative metabolomics workflows	Thermo Fisher Scientific	Sponsor	Technology, Systems Biology & Advancing the Field
6.1	Ritchie	Ly	Multisegment Injection-Nonaqueous Capillary Electrophoresis-Mass Spectrometry: A High Throughput Platform for Large Scale Lipidomic Studies with Stringent Quality Control	Mcmaster University	Oral Pres	Technology, Systems Biology & Advancing the Field
7.4	Gabriel	Reder	Supervised Topic Modeling for MS2 Metabolite Structural Characterization	Stanford University Bioengineering Department	Poster Flash	Technology, Systems Biology & Advancing the Field
8.2	Panteleimon	Takis	In silico acceleration-improvement of NMR-based metabolomics pipeline for small molecules profiling and targeted analysis for matrices rich in macromolecules.	Imperial College London	Oral Pres	Technology, Systems Biology & Advancing the Field
9.4	Liesa	Salzer	Spectra consolidation of high resolution tandem mass spectrometry data in LC-MS based non-targeted metabolomics and lipidomics	Helmholtz Zentrum Muenchen	Poster Flash	Technology, Systems Biology & Advancing the Field
11 Keynote	Erin	Baker	Increasing Identification Confidence Using Credentialing, Multidimensional Measurements and Cheminformatics Visualization Techniques	North Carolina State University	Keynote Speaker	Technology, Systems Biology & Advancing the Field
11.1	Hao	Zhu	Metabolite annotation using learned molecular representations	Tufts University	Oral Pres	Technology, Systems Biology & Advancing the Field
11.2	Premy	Shanthamoorthy	Analyzing Assay Redundancy in Metabolomics using Unique Ion Signatures	University of Toronto	Oral Pres	Technology, Systems Biology & Advancing the Field
11.4	Olga	Demler	WiNN: Batch and Drift Correction Method by White Noise Normalization for Metabolomic Studies that does not Rely on Quality Control Samples	Division Of Preventive Medicine, Brigham And Women's Hospital	Poster Flash	Technology, Systems Biology & Advancing the Field
12 Keynote	Ewy	Mathe	Toward improving interpretation of metabolomics data integrated with other omics data	National Center For Advancing Translational Sciences	Keynote Speaker	Technology, Systems Biology & Advancing the Field