

## Monday, 11/11/2024

Registration and poster set-up:

8:30 – 17:00 h

### Session 5 – Brazilian Symposium on Metabolomics (BrMet)

Chairperson, Dr. Fernando Benavente

Time	Type	Speaker	Title
8:30 – 9:10	Plenary lecture	Philip B. McKibbin, Canada	New Advances in High Throughput Metabolomics by Multisegment Injection-Capillary Electrophoresis-Mass Spectrometry: Doing More with Less!
9:10 – 9:40	Keynote	Ian Castro Gamboa, Brazil	Decoding the Complexity of Cacao Fermentation: Harnessing Metabolomics, Deep Learning, and Big Data
9:40 – 10:00	Oral presentation	Antônio Gilberto Ferreira, Brazil	Metabolomics analysis under NMR point of view
10:00 – 10:30	Coffee break		

### Session 6 – Brazilian Symposium on Metabolomics (BrMet)

Chairperson, Dr. Marcone A. L. Oliveira

Time	Type	Speaker	Title
10:30 – 11:00	Keynote	Emanuel Carrilho, Brazil	A multi-omics approach relating disease severity prognosis: A case study for SARS-CoV-2
11:00 – 11:20	Oral presentation	Quezia B. Cass, Brazil	Why should one worry about enantioselectivity effects in clinical metabolomics?
11:20 – 11:40	Oral presentation	Alex Castro, Brazil	Understanding Exercise Response Variability: A Metabolomics Perspective.
11:40 – 12:00	Oral presentation	Maricruz Mamani Huanca, Spain	Targeted analysis of gut microbiota-derived metabolites in colonic fermentation models: Investigating the impact of food ingredients
12:00 – 14:00	Lunch recess		

## Session 7 – Brazilian Symposium on Metabolomics (BrMet)

Chairperson, Dr. Gisele A. B. Canuto

Time	Type	Speaker	Title
14:00 – 14:30	Keynote	Yehia Mechref, USA	Multiomics Approach to Define the Biomolecular Changes Associated with Traumatic Brain Injury
14:30 – 14:50	Oral presentation	Alessandra Sussulini, Brazil	Metabolomics for neuropsychiatric diseases differentiation and potential novel treatments study
14:50 – 15:10	Oral presentation	Adriana Nori de Macedo, Brazil	Geographical Indication Area Expansion for Aroeira Honey Supported by Untargeted Metabolomics
15:10 – 15:30	Oral presentation	Andreia de Melo Porcari, Brazil	Plasma metabolome signatures to predict responsiveness to neoadjuvant chemotherapy in breast cancer
15:30 – 15:50	Oral presentation	Letícia Gomes de Pontes, Brazil	Zika Virus in Extracellular Vesicles: Insights from Integrated Proteomic and Metabolomic Dependent Regulation of B Cell and PI3K/AKT/mTOR Signaling Pathway
15:50 – 16:20	Coffee break		

## Session 8 – Brazilian Symposium on Metabolomics (BrMet)

Chairperson, Dr. Elena D. Vegas

Time	Type	Speaker	Title
16:20 – 16:50	Keynote	Susan Lunte, USA	Application of Capillary and Microchip Electrophoresis to Investigate Oxidative Modifications of Proteins and Oxidative Stress
16:50 – 17:10	Oral presentation	Caroline Jaegger – Nova Analítica, Brazil	Metabolomics with Q-Orbitrap and Q-Linear Ion Trap – New Solutions for Targeted and Untargeted Analysis
17:10 – 17:30	Oral Presentation	Serge Rudaz, Switzerland	Separation technique hyphenated with mass spectrometry for improved metabolome coverage, from conventional to miniaturized approaches.
17:30 – 17:50	Oral Presentation	Bruna Catussi – Ion Medicine, Brazil	Metabolomics in practice: The IonMedicine experience
17:50 – 18:00	Photography Session		

20:00 h – Gala Dinner