

Benelux Metabolomics Days 2026 – POSTERS

	Title	Presenter
Food & Nutrition and microbial applications		
P-01	Fermentation-induced molecular remodeling in South African indigenous tubers: cassava and cocoyam	Alejandro Mendoza Cantu, University of Antwerp, BE
P-02	Studying non-volatiles from plant-based ingredients by LC-MS and NMR-based metabolomics	Mengqiu Zhang, Vrije Universiteit Amsterdam, NL
P-03		
P-04	Microbial indoles modulate hepatic CYP2E1 activity	Fanny Beekman, Vrije Universiteit Amsterdam , NL
Exposomics & Environmental Health		
P-05	Non-target chemical exposome profiling in Luxembourg adults	Foteini Raptopoulou, University of Luxembourg, LU
P-06	Untargeted analysis of chemical exposure markers in plasma samples of factory workers using GC-HRMS.	Marissa Kateva, Leiden University, NL
Computational Metabolomics & AI		
P-07	TARDIS 2.0: Enhanced Performance and Visualization for Targeted LC-MS Preprocessing	Eewon Tai, Ghent University, BE
P-08	Deep Learning-Based Spectral Similarity Prediction Across MSn Hierarchies	Janne Heirman, University of Antwerp, BE
P-09	Metadata-Enhanced Deep Learning for Small Molecule Analog Discovery From Untargeted Mass Spectrometry	Juan Sebastian Piedrahita Giraldo, University of Antwerp, BE
P-10	Exploring Foundation models of MS2 spectra	Johan Westerhuis, University of Amsterdam, NL
P-11	Toward a Rule-Based Framework for De Novo Reconstruction of RiPPs from MS/MS Data	Joelle Mergola Greef, Leiden University, NL
P-12	Protein Corona Identification Using a Proteomic Workflow	Benthe Smit, Leiden University, NL
P-13	UniProt, Rhea and SwissLipids as integrated resources for metabolomics and lipidomics research	Lucila Aimo, Swiss Institute of Bioinformatics, CH
Natural Products, Ecological Metabolomics & Plant Metabolomics		
P-14	DESI-MS: A High-Resolution Tool for Specialized Metabolite Identification, Chemical Diversity Profiling, and Spatial Localization in Soil Streptomyces Populations	Golsa Nayeb Ghanbar Hosseini, IBL-Leiden University, NL
P-15	Towards plant pan-metabolome; metabolic diversity of 3000 plant species	Markéta Macho, Max Planck Institut of Molecular Plant Physiology

	Title	Presenter
Untargeted Metabolomics: Methods, Workflows, Data Interpretation		
P-16	Plate-Based LC-HRMS workflow using Phospholipid Removal for Plasma Exosome Profiling in Large-Cohort Studies	Laurens Heijn, Leiden University, NL
P-17	Integrated metabolomics workflow enables systems-level insights into early-stage metabolic reprogramming during potato tuber infections	Rittika Ray, Institute of Plant Biology, TU Braunschweig, DE
P-18	Nontarget Identification of Contaminants of Emerging Concern in Campus Indoor Dust Using Ion Mobility High-Resolution Mass Spectrometry	Maosen Zhao, University of Antwerp, BE
P-19	SECONDARY METABOLITES OF ENDOPHYTIC HYPOXYLON RUBIGINOSUM ISOLATED FROM FUCUS VESICULOSUS SEAWEED BY USING A SPECTRAL-BASED METABOLOMICS APPROACH	Fadiah Almutairi, University of Strathclyde, UK
Clinical & Translational Metabolomics		
P-20	Optimizing In Vitro Blood Generation: A metabolomics-guided approach to enhance iPSC-derived red blood cell production via metabolite modulation	Victoria Pozo Garcia, University of Amsterdam, NL
P-21	Subtype-Dependent Metabolic Signatures of Jerantinine A Acetate Exposure	Haneen Abuzaid, Alzaytoonah University of Jordan, JO
P-22	Blood cells metabolomics in for improved diagnostics of inherited metabolic disorders	Marek Noga, Maastricht University Medical Center, NL
P-28	Improved Sensitivity and Chromatography using the Hanging Droplet Evaporator	Peter Smith, LACDR-Leiden University, NL
Lipidomics, Fluxomics & Stable-Isotope Tracing		
P-23	High throughput ex vivo stable isotope tracing using tissue homogenates to model in vivo metabolism	Shauni Loopmans, VIB Ghent, KU Leuven, BE
P-24	Challenges in tandem mass spectrometry-based resolution of isotopomers of glutamic acid	Lidiia Rumiantseva, KU Leuven, BE
P-25	Compartment-specific lipid mediator profiling reveals local metabolic responses to IL-23 blockade in psoriasis	Mariëlle van der Peet, Leiden University, NL
P-26	Skin Barrier Changes in Atopic Dermatitis Treated with Biologics and JAK Inhibitors	Romee van Oort, Leiden University, NL
P-27	The brain lipidome reflects treatment efficacy in metachromatic, leukodystrophy	Lizzy van Zomeren, Amsterdam UMC, NL
P-29	Decoding bladder cancer messages: discovering lipid biomarkers in extracellular vesicles with high resolution mass spectrometry	Meia Numan, LACDR-Leiden University, NL

Posters from sponsors		
P-30	High throughput Multi-OMIC analyses at the single cell level using analytical scale chromatography with a multi-reflecting high resolution mass spectrometer	Waters
P-31	ADVANCED PERFORMANCE IN SMALL METABOLITE IMAGING IN HUMAN BREAST CANCER TISSUES USING A XEVO MRT MASS SPECTROMETER	Waters
P-32	Targeted DESI mass spectrometry imaging to visualize isobaric low abundance compounds and isobaric/isomeric lipids.	Waters