

DGMet - Deutsche Gesellschaft für Metabolomforschung

6th annual meeting, 8th-9th October 2026

Julius Kühn Institute Berlin

Königin Luise Straße 19, 14167 Berlin

Thursday, 8 October

11:00-12:30 Welcome and registration

12:30-12:45: Opening of the meeting by the organizers/the board?

12:45-14:30 Session 1: Plant metabolomics

12:45-13:15: **Keynote - Mustafa Balut:** Investigating the Metabolic Landscape of an *Arabidopsis thaliana* Population under Simulated UV Conditions

13:15-13:45:

- **Paula C.P. Bueno:** Metabolomics and Elemental Profiling for Quality and Geographic Origin Assessment of Specialty Green Coffee Beans
- **Nadine Austel:** Unlocking Metabolite Diversity in *Brassica napus* × *Eruca sativa* Hybrids for Breeding Pollen Beetle-resistant Oilseed Rape

13:45-14:00: **DGMet** Working group presentation by the group leaders

14:00-15:45 Poster session with coffee

15:45-16:30 Session 2: Bioinformatics

- **Janine Wiebach:** Beyond Feature Filtering: Using MSlineaR to Interpret Longitudinal Metabolomics Data
- **Laurenz Engel:** Development of a Multi-Omics AI Toolbox for Wet-Lab and Data Science Researchers
- **Nils Hoffmann:** Enabling FAIR Comparative Lipidomics with LipidCompass

16:30 – open end Working group meetings

19:00 Dinner EßKultur Berlin Takustr. 38/40, 14195 Berlin-Dahlem (10 minutes' walk from JKI)

Friday, 9 October

8:30-10:00 Session 3: Clinical and human metabolomics

8:30-9:00: **Keynote - Marc Dumas**

9:00-10:00:

- **Thierry Schmidlin:** High-throughput Plasma Metabolomics: from LC-MS to Population-scale Reference Distributions
- **Hannah S. Lüschen:** Distributed in Plasma, Marker-driven in Urine: Label-free Metabotyping of Inborn Errors of Metabolism.

- **Lea Woyciechowski:** COVID Dogolomics: Integrating Canine Olfaction and GC–MS Volatilomics to Identify Urinary VOC Signatures of Post COVID Syndrome
- **Dirk Weber:** N-acetylated amino acids: an overlooked layer of metabolic regulation

10:00-11:30 Session 4: Methods, applications and MS imaging

10:00 – 10:30 **Keynote - Sarela Garcia-Santamarina:** Drug-gut Microbiota Interactions: From Single Species to Communities

10:30-11:30

- **Marie Kersten:** From Enzyme Upregulation to Metabolic Output: Development of an LC-MS Approach for Thymidine Phosphorylase-Driven Metabolism in the TME
- **Birte Dowerg:** Influenza A Virus Hijacks Mitochondrial Metabolism to Promote Substrate Dependency
- **Min Qiu:** Spatial Metabolic Insights into *Pseudomonas aeruginosa* Biofilm Treatments Using Stable Isotope Labeling with Mass Spectrometry Imaging
- **Ulrike Brüning:** DESI-targeted Metabolic Imaging Approach for Drug Toxicity Testing of Multiple Murine Organs in Ichthyosis Skin Disease Treatment.

11:30-12:00 Working group reports

12:00-12:30 Poster awards DGMet President and Organisation

12:30-14:00 Lunch bag pick up and

DGMet Member Assembly with DGMet board election