

# Rigi Workshop 2025: Microbiome Meets Metabolism - Programme

## Day 1 - Sunday 2 February

~12:45 **Arrival** at Hotel Rigi Kulm, Check-in and Registration

**13:30 Welcome and introduction**

13:40 **Talk 1: Serina Robinson**  
Paired 'omics analysis

14:15 **Icebreaker**

14:40 **Workshop 1: Andrew Quinn**  
Discussion on the unique challenges in biotransformation research

16:00 Coffee Break

16:30 **Talk 2: Kristopher McNeill**  
Microbial plastic degradation

17:10 **Research Round 1**

18:40 Check-in if not done yet

19:00 Dinner

21:00 **Free**

## Day 2 - Monday 3 February

07:45 Breakfast

08:30 **Talk 3: Georg Aichinger:**  
Microbiome-competent Physiologically based Kintetic modelling.

09:20 **Talk 4: Michael Zimmermann:**  
Metabolic Microbiome Interactions.

10:10 Coffee Break

10:40 **Research round 2**

11:50 Selection of projects for the World Café

11:55 Group Picture

12:00 Lunch + Free Time

15:00 Coffee break

15:30 **Talk 5: Maria Zimmermann-Kogadeeva**  
Quantifying microbiota-host interactions

16:20 **Talk 6: Emily Balskus:**  
Deciphering the human microbiome with chemistry

17:15 **Workshop 2:** World Café on selected research projects

19:00 Dinner

20:45 **Workshop 3 (optional):** Discussion on the impact of research on policy regulation and ingeneering

## Day 3 - Tuesday 4 February

07:45 Breakfast (prepare luggage and empty rooms)

08:30 **Talk 7: Philipp Engel:**  
Metabolic interplay between the honeybee gut microbiota and agrochemicals.

09:20 **Talk 8: Nikolas Bokulich**  
Metagenome data analysis

10:10 Coffee Break

10:40 **Workshop 3:**  
Metagenome data analysis.

12:00 Lunch

13:00 **Workshop 3:** continuation

14:45 Wrap-up/reporting back

15:30 Closing remarks and evaluations

**16:00 Departure**

Invited speakers:

- Dr. Georg Aichinger - ETHZ - Department of Health Sciences and Technology
- Prof. Dr. Emily Balskus - Harvard University - Howard Hughes Medical Institute
- Prof. Dr. Nicholas Bokulich - ETHZ - Department of Health Sciences and Technology
- Prof. Dr. Philipp Engel - Unil - Department of fundamental microbiology
- Dr. Andrew Quinn - Unil - Department of fundamental microbiology
- Prof. Dr. Kristopher McNeill - ETHZ - Department of Environmental Systems Science - Head of Inst. Biogeochem. and Pollutant Dynamics
- Dr. Serina Robinson - EAWAG - Department of environmental microbiology
- Dr. Maria Zimmermann-Kogadeeva - EMBL - Genome Biology Unit
- Dr. Michael Zimmermann - EMBL - Structural and computational Biology Unit

-

Organisers:

- Dr. Georg Aichinger - ETHZ - Department of Health Sciences and Technology
- Prof. Dr. Kathrin Fenner - Eawag - Department of environmental chemistry and UZH - Department of Chemistry
- Prof. Dr. Shana Sturla - ETHZ - Department of Health Sciences and Technology
- Caroline Reymond, SCNAT Platform Biology

Sponsors:

- Swiss Academy of Sciences (SCNAT) - Platform Biology
- Swiss Chemical Society (SCS)
- Swiss Society of Pharmacology and Toxicology
- NCCR Microbiomes



Swiss Chemical  
Society