

Establishing Consensus for Microbiome Analysis Standards

September 20, 2023 – Helix Seminar Room B01 (EMBL Heidelberg)

Concept

The workshop aims to facilitate practical and insightful discussions on future trends in microbiome analysis methods, focusing on topics such as minimum requirements and standards for microbiome analysis, multi-omics data analysis and meta-analysis standards, and leveraging repositories for summary microbiome data.

Agenda

8:00 – 9:00	Registration + Breakfast	
8:50 – 9:00	Welcome	
9:00 – 9:20	Marcus Claesson - Enhancing microbiome studies through Machine Learning: From data to methods standardization, Best Practices, and pitfalls	
9:20 – 9:40	Narciso Martin Quijada - Bridging Human and Food microbiome: Challenges and perspectives from data types to analysis methods	
9:40 – 9:50	Introduction to Breakout Sessions	
9:50 – 10:10	Coffee Break	
10:10 – 10:50	<u>Breakout Session 1</u> (Workshop Room) Results & Validation Gene Tyson, Clara Belzer, Marcus Claesson	<u>Breakout Session 2</u> (Room B11) Meta-analysis, integrative analysis and longitudinal vs. cross- sectional cohort design Ami Bhatt, Alexandra Zhernakova
10:50 – 11:00	Coffee Break	



**Human
Microbiome
Action**



11:00 – 11:40	<u>Breakout Session 1</u> (Workshop Room) Results & Validation Gene Tyson, Clara Belzer, Marcus Claesson	<u>Breakout Session 2</u> (Room B11) Meta-analysis, integrative analysis and longitudinal vs. cross- sectional cohort design Ami Bhatt, Alexandra Zhernakova
11:40 – 11:55	Wrap-up	

workshop

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