

# Data Standards, Interoperability, and Model Organisms in Microbiome Research

September 19, 2023 – Helix Seminar Room B01 (EMBL Heidelberg)

## Concept

The workshop aims to gather expert opinions on minimum requirements for data type standards, establish sustainable methods for data sharing and interoperability, and enhance the development of standards for model organisms and communities in microbiome research.

## Agenda

12:00 – 13:40	<b>Registration + Light Lunch Break</b>	
13:40 – 13:50	Welcome	
13:50 – 14:10	<b>Nassos Typas</b> - Standards, challenges, and pitfalls of data types and analysis methods in microbial model community studies	
14:10 – 14:30	<b>Nicolas Pons</b> - Towards FAIRification and standardized recommendations for data sharing, data interoperability, and data deposition in microbial communities	
14:30 – 14:40	Introduction to Breakout Sessions	
14:40 – 15:00	<b>Coffee Break</b>	
15:00 – 15:40	<u>Breakout session 1</u> (Workshop Room) Model communities <b>Emmanuelle Maguin,</b> <b>Lisa Maier</b>	<u>Breakout Session 2</u> (Room A23) Multi-omics, clinical trials, practical recommendations for multiomics - from wetlab <b>Paul Wilmes,</b> <b>Maria Carmen Collado,</b> <b>Narcisso Martin Quijada</b>
15:40 – 15:50	<b>Coffee Break</b>	





15:50 – 16:30	<u>Breakout Session 1</u> (Workshop Room) Model communities <b>Emmanuelle Maguin,</b> <b>Lisa Maier</b>	<u>Breakout Session 2</u> (Room A23) Multi-omics, clinical trials, practical recommendations for multiomics - from wetlab <b>Paul Wilmes,</b> <b>Maria Carmen Collado,</b> <b>Narcisso Martin</b> <b>Quijada</b>
16:45 – 17:00	Wrap-up	
17:00 – 19:00	Free Time	
19:00 – 23:00	<b>Workshop Dinner</b>  Restaurant name: Kulturbrauerei Heidelberg Address: Leyergasse 6, 69117 Heidelberg  Agenda: <ul style="list-style-type: none"><li>• Model communities</li><li>• Multi-omics, clinical trials, practical recommendations for multiomics - from wetlab</li><li>• Results &amp; Validation</li><li>• Meta-analysis, integrative analysis and longitudinal vs. cross-sectional cohort design</li></ul>	

