

Virtual Conference Agenda

Start (BST)	Finish (BST)	Presenter details
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Wednesday 13 October 2021

13:00 13:10 Welcome

Scientific Programme Committee:

[*Lindsay Hall, Technical University of Munich, Germany*](#)

[*Reetta Satokari, University of Helsinki, Finland*](#)

[*Jerry Wells, Wageningen University & Research, The Netherlands*](#)

13:10 13:55 Keynote 1

Introduction to the session

Chair: Reetta Satokari, University of Helsinki, Finland

13:10 13:40 Endogenous retroviruses control of homeostatic and inflammatory responses to the microbiota

[*Yasmine Belkaid, National Institute of Allergy and Infection Diseases, USA*](#)

13:40 13:55 Q&A

Chair: Reetta Satokari, University of Helsinki, Finland

Moderator: Jerry Wells, Wageningen University & Research, The Netherlands

13:55 14:15 Break

14:15 15:45 Session 1: Microbiome Immunity Interactions

Introduction to the session

Chair: Jerry Wells, Wageningen University & Research, The Netherlands

14:15 14:35 Identifying effector microbes that causally affect the host physiology to develop defined microbial therapeutics

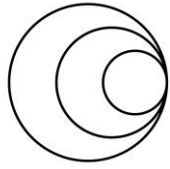
[*Kenya Honda, Keio University Tokyo, Japan*](#)

14:35 14:55 Manipulating myeloid cell function in the lung

[*Elizabeth Mann, University of Manchester, UK*](#)

14:55 15:05 Identification of microbial-derived HLA-bound peptides in melanoma

Shelly Kalaora, Weizmann Institute of Science, Israel



15:05 15:15 Parallelism of the intestinal secretory IgA response modulates functional microbial fitness
Tim Rollenske, University of Bern / Inselspital, Switzerland

15:15 15:45 Q&A
Chair: Jerry Wells, Wageningen University & Research, The Netherlands
Moderator: Reetta Satokari, University of Helsinki, Finland

15:45 16:00 Break

16:00 16:50 Poster Session 1: Odd Numbers

16:00 16:20 Lightning talks for poster session 1: odd numbers

16:20 16:50 Poster session 1: odd numbers

16:50 18:20 Session 2: Bugs, Drugs and Therapies

Introduction to the session

Chair: Reetta Satokari, University of Helsinki, Finland

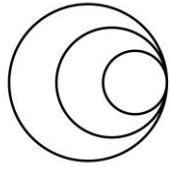
16:50 17:10 Bugs and drugs on early colonization and infant microbiome development
[*Anne Salonen, University of Helsinki, Finland*](#)

17:10 17:30 Quantifying metabolic microbiota-host interactions
[*Maria Zimmermann-Kogadeeva, EMBL Heidelberg, Germany*](#)

17:30 17:40 MB097: A clinically defined therapeutic consortium of bacteria with potent anti-tumour efficacy
Ghaith Bakdash, Microbiotica Ltd, UK

17:40 17:50 Microbiota development in early life mediates association between mode of delivery and vaccine responses
Emma de Koff, Spaarne Gasthuis, Netherlands

17:50 18:20 Q&A
Chair: Reetta Satokari, University of Helsinki, Finland
Moderator: Lindsay Hall, Technical University of Munich, Germany



Thursday 14 October 2021

13:00 14:30 Session 3: Microbiome, Gut and Nervous System Interactions

Introduction to the session

Chair: Jerry Wells, Wageningen University & Research, The Netherlands

13:00 13:20 How gut bacteria modulate brain-resident immune cells

[Daniel Erny, Universitätsklinikum Freiburg, Germany](#)

13:20 13:40 Mapping the influence of the gut microbiota on small molecules in the brain

[Donal Wall, University of Glasgow, UK](#)

13:40 13:50 Impact of ageing on the gut-brain-axis

Lena Best, University Clinic Schleswig-Holstein, Germany

13:50 14:00 Protective effects of the gut microbial metabolite trimethylamine N-oxide on the brain's defences and cognitive function in chronic systemic inflammation

Simon McArthur, Queen Mary, University of London, UK

14:00 14:30 Q&A

Chair: Jerry Wells, Wageningen University & Research, The Netherlands

Moderator: Lindsay Hall, Technical University of Munich, Germany

14:30 14:40 Break

14:40 15:30 Poster Session 2: Even Numbers

14:40 15:00 Lightning talks for poster session 2: even numbers

15:00 15:30 Poster session 2: even numbers

15:30 17:00 Session 4: Microbiome, Pathogens and Infection

Introduction to the session

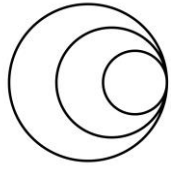
Chair: Lindsay Hall, Technical University of Munich, Germany

15:30 15:50 Microbial context and carbon sources: how *E. coli* protects against *Salmonella* infection

Bärbel Stecher-Letsch, LMU Munich, Germany

15:50 16:10 Defensive microbiomes in plants and animals

[Matt Hutchings, John Innes Centre, UK](#)



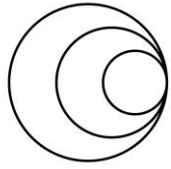
- 16:10 16:20 Genomic diversity of *Fusobacterium* colonizing colorectal tumours in Vietnamese patients
Hao Chung The, Oxford University Clinical Research Unit, Vietnam
- 16:20 16:30 Identification and isolation of 'keystone' microbial taxa that are predicted to stabilize tonsil microbiota of healthy piglets
Isabela Maria Fernandes de Oliveira, Wageningen University and Research, Netherlands
- 16:30 17:00 Q&A
Chair: Lindsay Hall, Technical University of Munich, Germany
Moderator: Jerry Wells, Wageningen University & Research, The Netherlands

Friday 15 October 2021

13:00 14:30 Session 5: Large Scale Microbiome Studies

- Introduction to the session
Chair: Reetta Satokari, University of Helsinki, Finland
- 13:00 13:20 Million Microbiomes of Human Project (MMHP)
[*Susanne Brix Pedersen, Technical University of Denmark, Denmark*](#)
- 13:20 13:40 Large-scale high-resolution metagenomics for the human microbiome
[*Nicola Segata, University of Trento, Italy*](#)
- 13:40 13:50 Gut microbiome composition is predictive of incident type 2 diabetes
Matti Ruuskanen, University of Turku, Finland
- 13:50 14:00 Integrating cultivation and metagenomics for a multi-kingdom view of skin microbiome diversity and functions
Sara Saheb Kashaf, NIH, USA
- 14:00 14:30 Q&A
Chair: Reetta Satokari, University of Helsinki, Finland
Moderator: Lindsay Hall, Technical University of Munich, Germany

14:30 14:50 Break



14:50 15:40 Keynote 2

Introduction to the session

Chair: Jerry Wells, Wageningen University & Research, The Netherlands

14:50 15:20 Critical transitions in complex systems

[*Marten Scheffer, Wageningen University & Research, Netherlands*](#)

15:20 15:40 Q&A

Chair: Jerry Wells, Wageningen University & Research, The Netherlands

Moderator: Reetta Satokari, University of Helsinki, Finland

15:40 16:00 Closing remarks

Scientific Programme Committee:

Lindsay Hall, Technical University of Munich, Germany

Reetta Satokari, University of Helsinki, Finland

Jerry Wells, Wageningen University & Research, The Netherlands