

**Hybrid Conference Programme**

Start (BST)	Finish (BST)	Presenter details
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**Monday 24 October 2022**

11:30	12:50	Registration, lunch and networking
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12:30	12:50	Briefing for Keynote and Session 1 speakers, microphone runners, chair, moderator, committee - Auditorium
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12:50	13:00	Welcome
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**Scientific Programme Committee:**

[Lindsay Hall, Technical University of Munich \(& Quadram Institute Bioscience\), Germany \(UK\)](#)

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

[Alan Walker, The Rowett Institute - University of Aberdeen, UK](#)

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

13:00	14:00	Keynote 1
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Chair: Alan Walker, The Rowett Institute - University of Aberdeen, UK

Moderator: Reetta Satokari, University of Helsinki, Finland

Personalized medicine based on microbiome and clinical data

[Eran Segal, Weizmann Institute, Israel](#)

14:00	14:05	Comfort break
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14:05	15:35	Session 1: Nutrition, metabolism and the microbiome
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Chair: Reetta Satokari, University of Helsinki, Finland

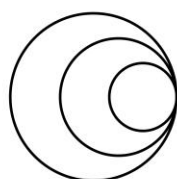
Moderator: Alan Walker, The Rowett Institute - University of Aberdeen, UK

14:05	14:35	Food-based approach for modulating the gut microbiota in the treatment of childhood malnutrition
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[Tahmeed Ahmed, icddr'b, Bangladesh](#)

14:35	15:05	Succinate: a microbiota-derived metabolite with a key role in energy homeostasis
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[Sonia Fernandez-Veledo, University Hospital of Tarragona Joan XXIII - Pere Virgili Health Research Institute - CIBERDEM, Spain](#)



15:05 15:20 A previously uncharacterised hydrogenase dominates fermentation in the human gastrointestinal tract  
*Caitlin Welsh, Monash University, Australia*

15:20 15:35 Mucus utilization allows *Prevotella copri* to persist in the absence of dietary fibre  
*Lena Amend, Helmholtz Centre for Infection Research, Germany*

15:35 16:20 Refreshment break and networking

16:05 16:20 Briefing for Session 2 speakers, microphone runners, chair, moderator - Auditorium

**16:20 17:50 Session 2: Microbiome and cancer**

*Chair: Lindsay Hall, Technical University of Munich (& Quadram Institute Bioscience), Germany (UK)*

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

16:20 16:50 Developing live biotherapeutics to treat breast cancer  
[Stephen Robinson, Quadram Institute Bioscience, UK](#)

16:50 17:20 Efficacy and mode of action of the live biotherapeutic oncology candidate MRx0518 *Enterococcus gallinarum*  
[Imke Mulder, 4D Pharma, UK](#)

17:20 17:35 Defining the relationship between the gut microbiome, host factors, and response to immune checkpoint inhibitors across diverse rare cancer types  
*Ashray Gunjur, Wellcome Sanger Institute, UK*

17:35 17:50 Persistence of the colorectal cancer associated gut microbiome following removal of neoplastic lesions  
*Einar Birkeland, University of Oslo, Norway*

**17:50 19:30 Poster session 1: odd numbers, with refreshments**

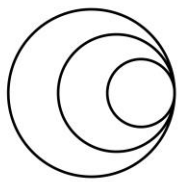
*Chair: Alan Walker, The Rowett Institute - University of Aberdeen, UK*

17:50 18:30 Lightning talks for poster session 1: odd numbers

18:30 19:30 Poster session 1: odd numbers

19:30 21:00 Dinner

19:30 23:00 Bar open (card payments only)



**Tuesday 25 October 2022**

07:30 09:00 Breakfast

08:45 09:00 Briefing for Session 3 speakers, microphone runners, chair, moderator - Auditorium

**09:00 10:15 Session 3: Beyond bacteria**

*Chair: Reetta Satokari, University of Helsinki, Finland*

*Moderator: Lindsay Hall, Technical University of Munich (& Quadram Institute Bioscience), Germany (UK)*

09:00 09:30 The human archaeome  
*Christine Moissl-Eichinger, Medical University of Graz, Austria*

09:30 10:00 The viral dark matter of the gut microbiome  
[\*Andrey Shkoporov, APC Microbiome, Ireland\*](#)

10:00 10:15 Diverse virome in fecal immunochemical tests from bowel cancer screening participants  
*Paula Istvan, University of Oslo, Norway*

10:15 11:00 Refreshment break and networking

10:45 11:00 Briefing for Session 4 speakers, microphone runners, chair, moderator - Auditorium

**11:00 13:15 Session 4: Respiratory health, microbiome and the age of Covid**

*Chair: Alan Walker, The Rowett Institute - University of Aberdeen, UK*

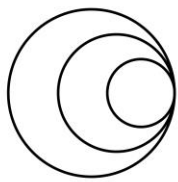
*Moderator: Reetta Satokari, University of Helsinki, Finland*

11:00 11:30 The role of the environmental microbiome for asthma development  
[\*Erika von Mutius, Ludwig Maximilian University of Munich, Germany\*](#)

11:30 12:00 Systematic assessment of the respiratory microbiome in elite athletes  
[\*Leah Cuthbertson, Imperial College London, UK\*](#)

12:00 12:15 Lactocaseibacillus casei AMBR2 as an airway probiotic to combat viral infections and bacterial superinfections  
*Eline Cauwenberghs, University of Antwerp, Belgium*

12:15 12:30 COVID-19 severity is associated with population-level gut microbiome variations  
*Eva Lymberopoulos, University College London, UK*



12:30 12:45 The upper respiratory tract microbiota across the human lifespan: a nationwide Dutch population study  
*Mari-Lee Odendaal, National Institute for Public Health and the Environment (RIVM), The Netherlands*

12:45 14:30 Lunch and networking

14:15 14:30 Briefing for Session 5 speakers, microphone runners, chair, moderator - Auditorium

**14:30 16:00 Session 5: Methodological and modelling innovations**

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

*Moderator: Alan Walker, The Rowett Institute - University of Aberdeen, UK*

14:30 15:00 Species- and site-specific genome editing in complex bacterial communities  
*Spencer Diamond, University of California, Berkeley, USA*

15:00 15:30 Deciphering the chemical language of the microbiome using computational genomics  
[\*Marnix Medema, Wageningen University, Netherlands\*](#)

15:30 15:45 A high-throughput imaging platform linking microbiome metabolism to identity at the single-cell level  
*Fatima Pereira, University of Southampton, UK*

15:45 16:00 Linking antimicrobial resistance genes to their bacterial hosts in the human gut microbiome using metagenomic chromosome confirmation capture approaches  
*Willem van Schaik, University of Birmingham, UK*

16:00 16:45 Refreshment break and networking

**16:45 18:30 Poster session 2: even numbers, with refreshments**

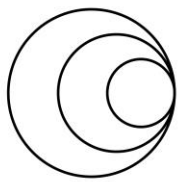
*Chair: Lindsay Hall, Technical University of Munich (& Quadram Institute Bioscience), Germany (UK)*

16:45 17:25 Lightning talks for poster session 2: even numbers

17:25 18:30 Poster session 2: even numbers

18:30 21:00 Dinner

18:30 23:00 Bar open (card payments only)



**Wednesday 26 October 2022**

07:30 09:30 Breakfast

09:15 09:30 Briefing for Session 6 speakers, microphone runners, chair, moderator - Auditorium

**09:30 11:00 Session 6: Exploring the microbiome - lessons from the animal kingdom**

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

*Moderator: Lindsay Hall, Technical University of Munich (& Quadram Institute Bioscience), Germany (UK)*

09:30 10:00 Whale microbiomes: lessons from ocean giants

[Amy Apprill, Woods Hole Oceanographic Institute, USA](#)

09:30 10:00 "Designer fiber" for the precise manipulation of animal gut microbiomes

[Sabina Leanti La Rosa, Norwegian University of Life Sciences, Norway](#)

10:00 10:45 Impacts of maternal microbiota and microbial metabolites on foetal intestine, brain and placenta

*Aleksi Husso, University of Helsinki, Faculty of Veterinary Medicine, Finland*

10:45 11:00 Preconception gut microbiota induces patrilineal intergenerational health risks

*Ayele Denboba, EMBL-Rome, Italy*

11:00 11:45 Refreshment break and networking

11:30 11:45 Briefing for Keynote, microphone runners, chair, moderator, committee - Auditorium

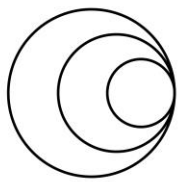
**11:45 12:45 Keynote 2**

*Chair: Lindsay Hall, Technical University of Munich (& Quadram Institute Bioscience), Germany (UK)*

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

Title TBC

[Ruth Ley, Max Planck Institute for Developmental Biology, Germany](#)



**12:45 13:00 Closing remarks and poster prize presentation**

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*Jerry Wells, Wageningen University & Research, Netherlands*

13:00 14:00 Lunch and departures

13:50 Coach departures for Stansted and Heathrow airports

14:00 Coach departures for Cambridge train station and city centre