

Program

Monday 14 November, 2022

Registration and welcome

- 10:00** **Registration and poster mounting**
- 11:45 - 13:00** **Lunch**
- 13:00 - 14:00** **Welcome and one-minute introductions by course participants**
Björn Schröder, Umeå University
Valentina Tremaroli, University of Gothenburg

Introduction to Microbiota

Chairpersons: Helen Wang and Debra Milton

- 14:00 - 14:45** **Introduction to Microbiomes**
Björn Schröder, Umeå University, Sweden
Biosketch on [page 12](#)
- 14:45 - 15:00** **Questions and discussion**
- 15:00 - 15:15** **Coffee**
- 15:15 - 16:00** **Microbiome Study Design and Data Analysis**
Valentina Tremaroli, University of Gothenburg, Sweden
Biosketch on [page 13](#)
- 16:00 - 16:15** **Questions and discussion**
- 16:15 - 17:00**  **Our Microbiome: Targets and Therapies for the Gastrointestinal Tract**
Willem de Vos, University of Helsinki, Finland and Wageningen University, The Netherlands
Biosketch on [page 14](#)
- 17:00 - 17:15** **Questions and discussion**
- 17:15 - 18:00** **Break**
- 18:00 - 20:00** **Dinner**
- 20:00 - 20:45** **Host-Bacterial Mutualism and Development of Symbioses**
Ned (Edward) Ruby, California Institute of Technology, USA
Biosketch on [page 15](#)
- 20:45 - 21:00** **Questions and discussion**

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Tuesday 15 November, 2022

Gut Microbiota in Health and Disease

Chairpersons: Björn Schröder and Valentina Tremaroli

- 8:30 - 9:15** **Gut Microbiota and Health During Lifespan**
Anne Salonen, University of Helsinki, Finland
Biosketch on [page 16](#)
- 9:15 - 9:30** **Questions and discussion**
- 9:30 - 10:15** **Mucins and the Microbiome**
Gunnar Hansson, University of Gothenburg, Sweden
Biosketch on [page 17](#)
- 10:15 - 10:30** **Questions and discussion**
- 10:30 - 10:45** **Coffee**
- 10:45 - 11:30** **Gut Microbiota-Brain Axis**
María Rodríguez Aburto, University College Cork, Ireland
Biosketch on [page 18](#)
- 11:30 - 11:45** **Questions and discussion**
- 11:45 - 13:30** **Lunch**
- 13:30 - 14:30** **Poster Session I**
Poster walks in groups in parallel (5 min presentation + 5 min questions)
- 14:30 - 15:15** **Free poster viewing of the “posters of the day”**
- 15:15 - 15:30** **Coffee**
- 15:30 - 16:15** **Microbiota Interactions with the Intestinal Epithelium during Infection**
Mariana Byndloss, Vanderbilt University, USA
Biosketch on [page 19](#)
- 16:15 - 16:30** **Questions and discussion**
- 16:30 - 17:15** **Cohort Digital Health Data to Understand Microbiome-Host Interactions**
Elin Org, University of Tartu, Estonia
Biosketch on [page 20](#)
- 17:15 - 17:30** **Questions and discussion**
- 17:30 - 18:00** **Break**
- 18:00 - 20:00** **Dinner**
- 20:00** **The “Gut Check” Challenge**

Program

Wednesday 16 November, 2022

Microbiota Beyond Bacteria

Chairperson: Matthias Mitteregger

- 8:30 - 9:15**  **Gut Virome – Who Is There and What Are They Doing?**
Colin Hill, University College Cork, Ireland
Biosketch on [page 21](#)
- 9:15 - 9:30** **Questions and discussion**
- 9:30 - 10:15**  **Host-Associated Archaeome**
Christine Moissl-Eichinger, Medical University Graz, Austria and BioTechMed,
Graz, Austria
Biosketch on [page 22](#)
- 10:15 - 10:30** **Questions and discussion**
- 10:30 - 10:45** **Coffee**

Studying and Harnessing the Microbiota

Chairperson: Valentina Tremaroli

- 10:45 - 11:30** **Prebiotics and Probiotics**
Amandine Everard, Université catholique de Louvain, Belgium
Biosketch on [page 23](#)
- 11:30 - 11:45** **Questions and discussion**
- 12:15 - 13:30** **Lunch**
- 13:30 - 14:30** **Poster Session II**
Poster walks in groups in parallel (5 min presentation + 5 min questions)
- 14:30 - 15:15** **Free poster viewing of the “posters of the day”**
- 15:15 - 15:30** **Coffee**
- 15:30 - 16:15**  **Animal Models to Study Microbiomes**
Aaron Ericsson, University of Missouri, USA
Biosketch on [page 24](#)
- 16:15 - 16:30** **Questions and discussion**
- 16:30 - 17:15** **From Association to Causality: The Role of the Gut Microbiota on Host Metabolism**
Fredrik Bäckhed, University of Gothenburg, Sweden
Biosketch on [page 25](#)
- 17:15 - 17:30** **Questions and discussion**
- 17:30 - 18:00** **Break**
- 18:00 - 20:00** **Dinner**

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Thursday 17 November, 2022

Microbial Therapeutics and Therapeutic Targets

Chairpersons: Valentina Tremaroli and Björn Schröder

- 8:30 - 9:15** **Citizen-Science Map of the Vaginal Microbiome: The Isala Study**
Sarah Lebeer, University of Antwerp, Belgium
Biosketch on [page 26](#)
- 9:15 - 9:30** **Questions and discussion**
- 9:30 - 10:15**  **Interactions between Drugs and the Human Gut Microbiota**
Lisa Maier, University of Tübingen, Germany
Biosketch on [page 27](#)
- 10:15 - 10:30** **Questions and discussion**
- 10:30 - 10:45** **Coffee**
- 10:45 - 11:30** **Fecal Microbiota Transplantation**
Max Nieuwdorp, Amsterdam University Medical Centres, The Netherlands
Biosketch on [page 28](#)
- 11:30 - 11:45** **Questions and discussion**
- 11:45 - 13:30** **Lunch**
- 13:30 - 14:30** **Poster Session III**
Poster walks in groups in parallel (5 min presentation + 5 min questions)
- 14:30 - 15:15** **Free poster viewing of the “posters of the day”**
- 15:15 - 15:30** **Coffee**

Building Microbial Communities – Session I

Chairperson: Mike Koomey

- 15:30 - 16:15**  **Genetic Adaptations between Hosts and Their Microbiota**
Ruth Ley, Max Planck Institute for Biology, Germany
Biosketch on [page 29](#)
- 16:15 - 16:30** **Questions and discussion**
- 16:30 - 17:15** **Collaboration and Competition in Host Microbiomes**
Erik Bakkeren, University of Oxford, UK
Biosketch on [page 30](#)
- 17:15 - 17:30** **Questions and discussion**
- 17:30 - 18:00** **Break**
- 18:00 - 20:00** **Course Dinner**

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Friday 18 November, 2022

Building Microbial Communities – Session II

Chairperson: Björn Schröder

8:30 - 9:15 Rethinking Healthy Eating in Light of the Gut Microbiome

Pascale Vonaesch, Université de Lausanne, Switzerland

Biosketch on [page 31](#)

9:15 - 9:30 Questions and discussion

Microbiota Beyond the Gut

Chairperson: Debra Milton

9:30 - 10:15 Oral Microbiota in Health and Disease

Toni Gabaldón, The Barcelona Institute of Science and Technology (BIST) and
Barcelona Supercomputing Centre (BCS-CNS), Spain

Biosketch on [page 32](#)

10:15 - 10:30 Questions and discussion

10:30 - 10:45 Coffee

10:45 - 11:30 Microbiota and Skin Health

Jürgen Harder, Kiel University, Germany

Biosketch on [page 33](#)

11:30 - 11:45 Questions and discussion

11:45 - 13:00 Lunch

13:00 - 13:30 Concluding remarks, evaluation, and course certificates

14:00 Departure