



3rd Summer School Seeon

13th Seeon Conference

Microbiota, Probiotics and Host

JULY 1ST- 3RD 2021

HYBRID CONFERENCE

FOR MORE INFORMATION: www.dghm.org/seeon

RWTHAACHEN
UNIVERSITY

UNIVERSITÄTS
KLINIKUM FRANKFURT
AM BOENENHAGEN

HZI HELMHOLTZ
Centre for Infection Research

TUM

KLOSTER
SEEON
KULTUR &
BILDUNGS
ZENTRUM
DES BEZIRKS
OBERBAYERN



Fotostudio Christoph Vohler, München

PRE-RECORDED LECTURES 3RD SUMMER SCHOOL:

| | |
|-----------------------|---|
| Thomas Clavel | Basics in gut microbiome research |
| John Baines | Ecology of the gut microbiome |
| Nicola Segata | In-depth molecular assessment of microbiomes |
| Bärbel Stecher | Microbial interactions & synthetic communities |
| Mathias Hornef | Ontogeny of enteric microbe-host interactions |
| Dirk Haller | From observational population-based studies to causation |
| Till Strowig | Gut microbes & immune responses: at the verge of inflammation |

SUMMER SCHOOL PROGRAM

Thursday, July 1st

14⁰⁰ – 14⁰⁵ Welcoming: **Thomas Clavel**
(University Hospital of RWTH Aachen, Germany) (live via ZOOM)

14⁰⁵ – 15³⁰ Meet the lecturers 3rd Summer School (live via ZOOM):

15³⁰ – 15⁴⁵ Break

15⁴⁵ – 17⁴⁵ Online Live-Lectures (live via VIMEO) and Discussion

Cynthia Sears (John Hopkins School of Medicine, USA):
Colon Cancer and the Microbiome: Evolving Data

John Penders (Maastricht University, The Netherlands):
Does our Microbiome Travel well?

Ed Kuijper (University Leiden, The Netherlands):
How to restore the disturbed microbiome of patients with Clostridioides difficile infections?

CONFERENCE PROGRAM

Friday, July 2nd

SESSION 1

10⁰⁰ – 10⁴⁵ Keynote Lecture (live via VIMEO)
Shinichi Sunagawa (ETH Zurich, Switzerland):
Multi-layered strategies of host and environmental microbiome analysis

10⁴⁵ – 11¹⁵ 2 Selected Abstracts (live via VIMEO)

11¹⁵ – 11³⁰ Break

SESSION 2

11³⁰ – 12¹⁵ Keynote Lecture (live via VIMEO)
Dario Valenzano (MPI for Biology of Ageing, Germany):
Systemic modulation of lifespan by the gut microbiota

12¹⁵ – 12⁴⁵ 2 Selected Abstracts (live via VIMEO)

12⁴⁵ – 14⁰⁰ Lunch Break

SESSION 3

14⁰⁰ – 14⁴⁵ Keynote Lecture (live via VIMEO)
Nassos Typas (EMBL, Germany):
The interface of drugs and the human gut microbiome

14⁴⁵ – 15¹⁵ 2 Selected Abstracts (live via VIMEO)

15¹⁵ – 15³⁰ Break

SESSION 4

15³⁰ – 16¹⁵ Keynote Lecture (live via VIMEO)
Eran Elinav (Weizmann Institute of Science, Israel):
Host microbiome interactions in health and disease

16¹⁵ – 16⁴⁵ 2 Selected Abstracts (live via VIMEO)

16⁴⁵ – 17⁰⁰ Break

POSTER SESSION

17⁰⁰ – 18³⁰ Discussions in Breakout Rooms live via ZOOM

CONFERENCE PROGRAM

Saturday, July 3rd

SESSION 5

10⁰⁰ – 10⁴⁵ Keynote Lecture (live via VIMEO)
Debby Bogaert (Edinburgh Medical School, UK):
Early life microbiome assembly: a window of opportunity

10⁴⁵ – 11¹⁵ 2 Selected Abstracts (live via VIMEO)

11¹⁵ – 11³⁰ Break

HOT TOPICS

11³⁰ – 12⁰⁰ **Michael Zimmermann** (EMBL, Germany) (live via VIMEO):
Identifying gut microbiome contributions to drug metabolism

12⁰⁰ – 12³⁰ **Mercedes Gomez de Agüero** (University Würzburg, Germany) (live via VIMEO):
Maternal microbiota and neonatal barrier function