



# 3<sup>rd</sup> Summer School Seeon

## 13<sup>th</sup> Seeon Conference

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### Microbiota, Probiotics and Host

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JULY 1<sup>ST</sup>- 3<sup>RD</sup> 2021

HYBRID CONFERENCE

FOR MORE INFORMATION: [www.dghm.org/seeon](http://www.dghm.org/seeon)

**RWTH**AACHEN  
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OBERBAYERN



Fotostudio Christoph Vohler, München

## PRE-RECORDED LECTURES 3<sup>RD</sup> SUMMER SCHOOL:

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

# SUMMER SCHOOL PROGRAM

## Thursday, July 1<sup>st</sup>

14<sup>00</sup> – 14<sup>05</sup> Welcoming: **Thomas Clavel**  
(University Hospital of RWTH Aachen, Germany) (live via ZOOM)

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14<sup>05</sup> – 15<sup>30</sup> Meet the lecturers 3<sup>rd</sup> Summer School (live via ZOOM)

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15<sup>30</sup> – 15<sup>45</sup> Break

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15<sup>45</sup> – 17<sup>45</sup> 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?***

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# CONFERENCE PROGRAM

## Friday, July 2<sup>nd</sup>

### SESSION 1

10<sup>00</sup> – 10<sup>45</sup> Keynote Lecture (live via VIMEO)  
**Shinichi Sunagawa** (ETH Zurich, Switzerland):  
*Multi-layered strategies of host and environmental microbiome analysis*

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10<sup>45</sup> – 11<sup>15</sup> 2 Selected Abstracts (live via VIMEO)

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11<sup>15</sup> – 11<sup>30</sup> Break

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### SESSION 2

11<sup>30</sup> – 12<sup>15</sup> Keynote Lecture (live via VIMEO)  
**Dario Valenzano** (MPI for Biology of Ageing, Germany):  
*Systemic modulation of lifespan by the gut microbiota*

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12<sup>15</sup> – 12<sup>45</sup> 2 Selected Abstracts (live via VIMEO)

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12<sup>45</sup> – 14<sup>00</sup> Lunch Break

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### SESSION 3

14<sup>00</sup> – 14<sup>45</sup> Keynote Lecture (live via VIMEO)  
**Nassos Typas** (EMBL, Germany):  
*The interface of drugs and the human gut microbiome*

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14<sup>45</sup> – 15<sup>15</sup> 2 Selected Abstracts (live via VIMEO)

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15<sup>15</sup> – 15<sup>30</sup> Break

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## SESSION 4

15<sup>30</sup> – 16<sup>15</sup> Keynote Lecture (live via VIMEO)  
**Eran Elinav** (Weizmann Institute of Science, Israel):  
*Host microbiome interactions in health and disease*

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16<sup>15</sup> – 16<sup>45</sup> 2 Selected Abstracts (live via VIMEO)

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16<sup>45</sup> – 17<sup>00</sup> Break

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## POSTER SESSION

17<sup>00</sup> – 18<sup>30</sup> Discussions in Breakout Rooms live via ZOOM

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# CONFERENCE PROGRAM

## Saturday, July 3<sup>rd</sup>

## SESSION 5

10<sup>00</sup> – 10<sup>45</sup> Keynote Lecture (live via VIMEO)  
**Debby Bogaert** (Edinburgh Medical School, UK):  
*Early life microbiome assembly: a window of opportunity*

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10<sup>45</sup> – 11<sup>15</sup> 2 Selected Abstracts (live via VIMEO)

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11<sup>15</sup> – 11<sup>30</sup> Break

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## HOT TOPICS

11<sup>30</sup> – 12<sup>00</sup> **Michael Zimmermann** (EMBL, Germany) (live via VIMEO):  
*Identifying gut microbiome contributions to drug metabolism*

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12<sup>00</sup> – 12<sup>30</sup> **Mercedes Gomez de Agüero** (University Würzburg, Germany) (live via VIMEO):  
*Maternal microbiota and neonatal barrier function*

## WITH FINANCIAL SUPPORT FROM:

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