



5TH SUMMER SCHOOL ON MICROBIOME IN HEALTH AND DISEASE

DGHM - MICROBIOTA, PROBIOTICS AND HOST

June 28th – June 29th 2023

CONFERENCE CENTER

Kloster Seeon (Monastery Seeon/ Chiemsee)
Kultur- und Bildungszentrum des Bezirks Oberbayern
Klosterweg 1, 83370 Seeon
www.kloster-seeon.de

REGISTRATION DETAILS

www.dghm.org/seeon

June 15th 2023

Registration Deadline

SHUTTLE SERVICE DETAILS (BOOKING REQUIRED)

Wednesday 28th (1 day before conference/ first day of Summer School) to Seeon Monastery

12:00 - 13:30 shuttle from Munich Airport
12:45 - 13:15 shuttle from Bad Endorf train station

Thursday 29th (1st day of conference) to Seeon Monastery

13:30 - 15:00 shuttle from Munich Airport
13:45 - 14:15 shuttle from Bad Endorf train station

Thursday 29th leaving from Seeon Monastery

14:15 Shuttle departure to airport and Bad Endorf train station

Saturday 1st July (last day of conference) leaving from Seeon Monastery

13:15 Shuttle departure to airport and Bad Endorf train station



Wednesday, 28th June 2023

13:00	14:30	Registration
14:30	14:45	Welcoming
14:45	15:00	Short pitch by the lecturers
15:00	15:30	Audience landscape
15:30	16:00	Tandem lecture 1: microbial ecology & evolution Segata & Baines
16:00	16:20	Tandem lecture 2: microbe-host interactions in early life Hornef
16:20	16:50	coffee break
16:50	17:35	Key note lecture Models of Gnotobiology and How to Address the Impact of the Maternal Microbiota on the Function of the Offspring Immune System Stephanie Ganai-Vonarburg
17:35	18:05	Tandem lecture 3: Studies & Clinical microbiome research Haller & Vehreschild
18:05	18:35	Tandem lecture 4: Cultivation & synthetic communities Clavel & Stecher-Letsch
18:35	18:55	Tandem lecture 5: Gnotobiology & Chronic infections Strowig
19:10	20:40	Dinner
20:40		Round Table discussion with investigators

Thursday, 29th June 2023

8:45	9:30	Key note lecture System Ecology of the Human Exopobiome Paul Wilmes
9:30	9:45	Introduction to following sessions Clavel
9:45	10:25	Impulse Talks Biehl Meier Komor Boumans
10:25	10:45	coffee break
10:45	11:30	Peer-chat corners
11:30	12:15	Feedback & Plenary discussion
12:15	12:45	Conclusion and Farewell
12:45	14:00	Lunch
14:15		Departure



WEDNESDAY, JUNE 28TH 2023

13:00 - 14:30	Registration
14:30 - 14:45	WELCOMING Thomas Clavel , <i>Functional Microbiome, Institute of Medical Microbiology, University Hospital of RWTH Aachen, Germany</i>
14:45 - 15:00	SHORT PITCH BY THE LECTURERS (2MIN EACH) Chaired by Thomas Clavel , <i>Functional Microbiome, Institute of Medical Microbiology, University Hospital of RWTH Aachen, Germany</i>
15:00 - 15:30	AUDIENCE LANDSCAPE Maja Magel , <i>Functional Microbiome, Institute of Medical Microbiology, University Hospital of RWTH Aachen, Germany</i>
15:30 - 15:50	TANDEM LECTURE 1 – MICROBIAL ECOLOGY & EVOLUTION Title 1 Segata , <i>Computational Metagenomics Lab, CIBIO, University of Trento, Italy</i> Title 2 Baines , <i>Section of Evolutionary Medicine, Kiel University/ MPI for Evolutionary Biology, Kiel, Germany</i>
15:50 - 16:00	DISCUSSION
16:00 - 16:10	TANDEM LECTURE 2 – MICROBE-HOST INTERACTIONS IN EARLY LIFE Title 1 Hornef , <i>Institute of Medical Microbiology, RWTH University, Aachen, Germany</i>
16:10 - 16:20	DISCUSSION
16:20 - 16:50	Coffee break
16:50 - 17:35	KEYNOTE LECTURE Models of Gnotobiology and How to Address the Impact of the Maternal Microbiota on the Function of the Offspring Immune System Stephanie Ganai-Vonarburg , <i>Department of Visceral Surgery and Medicine, Inselspital, Bern University Hospital & Department for BioMedical Research, University of Bern, Switzerland</i> Chaired by



17:35 - 17:55 TANDEM LECTURE 3 – STUDIES & CLINICAL MICROBIOME RESEARCH

Title 1

Haller, *Nutrition and Immunology, ZIEL – Institute for Food and Health, TUM School of Life Sciences, Freising, Germany*

Defined microbial consortia

Vehreschild, *Infectiology, Medical Clinic II, University Hospital Frankfurt, Germany*

17:55 - 18:05 DISCUSSION

18:05 - 18:25 TANDEM LECTURE 4 – CULTIVATION & SYNTHETIC COMMUNITIES

Title 1

Clavel, *Functional Microbiome, Institute of Medical Microbiology, University Hospital of RWTH Aachen, Germany*

Title 2

Stecher-Letsch, *Microbiota & Infections, Max von Pettenkofer-Institute, LMU Munich, Germany*

18:25 - 18:35 DISCUSSION

18:35 - 18:45 TANDEM LECTURE 5 – GNOTOBIOLOGY & CHRONIC INFECTIONS

Title 1

Strowig, *Microbial Immune Regulation, Helmholtz Centre for Infection Research, Braunschweig, Germany*

18:45 - 18:55 DISCUSSION

19:10 - 20:40 Dinner

20:40 - ROUND TABLE DISCUSSION WITH PRINCIPAL INVESTIGATORS



THURSDAY, 29TH JUNE 2023

8:45 - 9:30

KEYNOTE LECTURE

System Ecology of the Human Exobiome

Paul Wilmes, *Luxembourg Centre for Systems Biomedicine, Department of Life Sciences and Medicine, Faculty of Science, Technology and Medicine, Université du Luxembourg, Luxembourg*

Chaired by

09:30 - 09:45

INTRODUCTION TO THE FOLLOWING SESSIONS

Thomas Clavel, *Functional Microbiome, Institute of Medical Microbiology, University Hospital of RWTH Aachen, Germany*

9:45 - 10:25

IMPULSE TALKS

Clinical FMT studies

Lena Biehl, *Clinical microbiome research, Clinic I of Internal Medicine, University Hospital Cologne, Germany*

Gut-liver-axis

Christin Meier, *University Hospital of RWTH Aachen, IRTG CRC1382 "Gut-Liver Axis", Aachen, Germany*

Balance of the Microverse

Anna Komor, *Friedrich Schiller University Jena, Excellence Cluster Balance of the Microverse, Jena, Germany*

Origin and Function of Metaorganisms

Dorine Boumans, *Kiel University, Zoological Institute, CRC 1182 Origin and Function of Metaorganisms, Kiel, Germany*

10:25 - 10:45

Coffee break



10:45 - 11:30

PEER-CHAT CORNERS

Groups chaired by:**Group 1****Lena Biehl**, *Clinical microbiome research, Clinic I of Internal Medicine, University Hospital Cologne, Germany***Group 2****Christin Meier**, *University Hospital of RWTH Aachen, IRTG CRC1382 "Gut-Liver Axis", Aachen, Germany***Group 3****Anna Komor**, *Friedrich Schiller University Jena, Excellence Cluster Balance of the Microverse, Jena, Germany***Group 4****Dorine Boumans**, *Kiel University, Zoological Institute, CRC 1182 Origin and Function of Metaorganisms, Kiel, Germany*

11:30 – 12:15

FEEDBACK & PLENARY DISCUSSION

Chaired by

12:15 - 12:45

CONCLUSION & FAREWELL

12:45 - 14:00

Lunch

14:15 -

SHUTTLE TO AIRPORT AND TRAIN STATION



KEYNOTE LECTURES

Prof. Paul Wilmes, PhD

Professor of Systems Ecology
Luxembourg Centre for Systems
Biomedicine
Department of Life Sciences and
Medicine, Faculty of Science, Technology
and Medicine
Université du Luxembourg
Campus Belval
7, avenue des Hauts-Fourneaux
L-4362 Esch-sur-Alzette
Luxembourg

Prof. Dr. Stephanie Ganai-Vonarburg

Department of Visceral Surgery and
Medicine,
Inselspital, Bern University Hospital
Department for BioMedical Research
University of Bern
Room G803b
Murtenstrasse 35
CH-3008 Bern
Switzerland

CRC GUEST LECTURERS

Dr. med. Lena Biehl

AG Klinische Mikrobiomforschung
Klinik I für Innere Medizin
Kerpener Str. 62
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Anna Komor

Friedrich Schiller University Jena
ExC Balance of the Microverse
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07743 Jena

Dorine Boumans

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Christin Meier

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PRINCIPAL INVESTIGATORS

Prof. John Baines

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Prof. Till Strowig

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Prof. Nicola Segata

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Prof. IN Maria J.G.T. Vehreschild

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Prof. Dr. rer. nat. Bärbel Stecher-Letsch

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Prof. Thomas Clavel

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Prof. Dr. Dirk Haller

Nutrition and Immunology (Chair),
ZIEL – Institute for Food & Health
(Director),
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Prof. Mathias Hornef

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