



Kiel University  
Christian-Albrechts-Universität zu Kiel



PMI Precision Medicine  
in Chronic Inflammation

UNIVERSITY OF  
COPENHAGEN



RTG  I743  
genes environment inflammation



Danish Diabetes Academy  
Funded by the Novo Nordisk Foundation

## CAU-UCPH-DDA Autumn School for PhD Students

### The Role of the Microbiome in Complex Metabolic & Inflammatory Diseases

29 Sept.-2 Oct. 2019

Sinatur Hotel Gl. Avernæs  
Helnæsvej 9  
DK-5631 Ebberup

# Session overview



<b>Day 1</b>	<b>Sunday 29 September</b> Arrival & informal dinner
<b>Day 2</b>	<b>Monday 30 September</b> Welcome
Session I	Title:
Poster session I	Posters no. 1-25 (PI: 1-24)
<b>Day 3</b>	<b>Tuesday 1 October</b>
Session II	Title:
	4 parallel workshops
Poster session II	Posters no. 25-50 (PI: 25-50)
<b>Day 4</b>	<b>Wednesday 2 October</b>
Session III	Title:
	Farewell

# Programme

## Sunday 29 September

16:15–17:10 Bus transportation from Odense Central Station to  
Sinatur Hotel Gl. Avernæs

17.10–18:30 Check in & possibility of mounting of posters

18:30-20:30 Dinner

# Programme

## Monday 30 September

07:30-09:00 Morning exercise (optional) & breakfast  
Check in & mounting of posters

09:00-09:15 Welcome  
Professor **Andre Franke**, Christian-Albrechts-University of Kiel (DE)

09:15-09:45 Meet & greet  
Education Manager **Jette Husum**, DDA (DK)

### Session I

09:50-10:10 Evolutionary Perspectives on the Gut Microbiome  
Professor **John Baines**, Max Plank Institute for Evolutionary Biology (DE)

10:10-10:20 Questions & answers

10:20-10:50 Coffee break

10:50-12:15 Student presentations I-V

12:15-13:15 Lunch

13:15-13:35 Topic: Various aspects of microbiome  
Professor **Dennis Sandris Nielsen**, University of Copenhagen (DK)

13:35-13:45 Questions & answers

13:45-14:15 Coffee break

- 14:15-14:35 Impact of Diet on the Gut Microbiota in Children and Adults  
Professor **Tine Rask Licht**, Danish Technical University (DK)
- 14:35-14:45 Questions & answers
- 14:45-15:05 Topic: Bile acids: Where do they come from, why they are relevant in disease and how to measure them  
Professor **Jörg Heeren**, University Medical Center Hamburg-Eppendorf (DE)
- 15:05-15:15 Questions & answers
- 15:15-17:00 Free time
- 17:00-17:35 25 poster pitches
- 17:35 -19:00 Posters & drinks
- 19:00-21:00 Dinner
- 21:00-22:30 Bonfire & drinks

# Programme

## Tuesday 1 October

07:00-08:15	Morning exercise (optional) & breakfast
08:15-08:20	Welcome & follow up from the day before
<b>Session II</b>	Chair: Professor Andre Franke, Christian-Albrechts-University of Kiel (DE)
08:25-08:55	<b>Keynote talk</b> Dr <b>Colin Hill</b> , University College Cork (IE)
08:55-09:15	Questions & answers
09:20-09:45	Statistical Analysis of Human Microbiome Studies Professor <b>Astrid Dempfle</b> , University Medical Center Schleswig-Holstein, Kiel (DE)
09:45-09:55	Questions & answers
09:55-10:30	Coffee break
10:30-11:45	Student presentations VI-XI
11:45-12:45	Lunch
12:50-13:20	<b>Keynote talk:</b> The Intestinal Microbiome Type 2 Diabetes and Its Pre- and Co-morbidities Professor <b>Oluf Borbye Pedersen</b> , University of Copenhagen (DK)
13:20-13:40	Questions & answers
13:40-13:50	Introduction to workshops
13:50-14:15	Coffee break

14:15-16:45

### Workshop 1

Best Practice in Bioinformatics of Microbiome Data

Dr **Lucas Moitinho-Silva**, Christian-Albrechts-University of Kiel (DE)

Dr **Malte Rühlemann**, Christian-Albrechts-University of Kiel (DE)

Professor **Andre Franke**, Christian-Albrechts-University of Kiel (DE)

### Workshop 2

Data Integration of Microbiome & Other Data

Chief Scientific Officer, PhD **Henrik Bjørn Nielsen**, Clinical Microbiomics (DK)

Dr **Louise Thingholm**, Christian-Albrechts-University of Kiel (DE)

Postdoctoral Fellow, Dr **Philipp Rausch**, University of Copenhagen (DK)

### Workshop 3

Study Design for Human & Mouse Intervention Studies

Professor **Torben Hansen**, University of Copenhagen (DK)

Dr **Felix Sommer**, Christian-Albrechts-University of Kiel (DE)

Professor **Philip Rosentiel**, Christian-Albrechts-University of Kiel (DE)

### Workshop 4

Culturomics

Professor **Jan Rupp**, University Medical Center Schleswig-Holstein, Lübeck (DE)


Professor **Karsten Kristiansen**, University of Copenhagen (DK)

16:50-17:25

25 poster pitches

17:30-19:00

Posters & drinks



19:00-19:30	Free time
19:30-22:00	Galla dinner



# Programme

## Wednesday 2 October

07:00-08:15 Morning exercise (optional), breakfast & check out

08:15-08:25 Welcome & follow up from the day before

### Session III

08:30-09:00 **Keynote talk:** Conversing with our “other self”: The host immune-microbiota dialogue

Professor **Charles O. Elson III**, University of Alabama at Birmingham (US)

09:00-09:20 Questions & answers

09:25-09:50 Regulation of Tolerance & Inflammation by Human Antigen-Specific T-Cells

Professor **Petra Bacher**, Christian-Albrechts-University of Kiel (DE)

09:50-10:00 Questions & answers

10:00-10:45 Coffee break

10:45-11:35 Walk & talk


11:35-12:00 Best poster & SoMe prize

12:00-13:00 Lunch

13:00-13:25 Topic: The innate immune system vs. Microbiome and intestinal organdies as a model system

Professor **Philip Rosentiel**, Christian-Albrechts-University of Kiel (DE)

13:25-13:35 Questions & answers



13:40-14:05	Topic: Microbiome and immune system Professor <b>Susanne Brix Pedersen</b> , Danish Technical University (DK)
14:05-14:15	Questions & answers
14:15-14:45	Coffee break
14:45-15:10	Topic: The industry approach to clinical microbiomics Chief Scientific Officer, PhD <b>Henrik Bjørn Nielsen</b> , Clinical Microbiomics (DK)
15:10-15:20	Questions & answers
15:20-15:45	Evaluation & closing remarks
15:45-16:00	Farewell
16:00	Bus transportation to Odense Central Station

# Organising Committee Scientific Programme

Professor Andre Franke  
Christian-Albrechts-University of Kiel (DE)

Professor Torben Hansen  
University of Copenhagen (DK)

Professor Karsten Kristiansen  
University of Copenhagen (DK)

Associate Professor Manimozhiyan Arumugam  
University of Copenhagen (DK)

Managing Director Tore Christiansen  
Danish Diabetes Academy (DK)

# Sponsors

The Cluster of Excellence “Precision Medicine in Chronic Inflammation” (DE)

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