GUT MICROBIOTA MODULATION IN HEALTH AND DISEASE – FAECAL MICROBIOTA TRANSPLANTATION AND BEYOND

A 2-DAY SYMPOSIUM

SEPTEMBER 12 - 13, 2022

VENUE:
NOVO NORDISK FOUNDATION
TUBORG HAVNEVEJ 19
2900 HELLERUP
COPENHAGEN
DENMARK

supported by Novo Nordisk Foundation
Welcome
Prof. Lars Hestbjerg Hansen, University of Copenhagen, Denmark
10.00 - 10.05

Intestinal microbiota in health and disease
Prof. Oluf Borbye Pedersen, University of Copenhagen, Denmark
10.05 - 10.45

Clinical FMT research in Europe
10.45 - 14.40

FMT trials in Europe
Dr. Christian Lodberg Hvas, Aarhus University Hospital, Denmark
10.45 - 11.10

Short break
11.10 - 11.30

FMT in IBD: the next frontier?
Prof. Harry Sokol, Saint-Antoine Hospital, France
11.30 - 12.00

FMT as a therapy for Parkinson’s disease
Adj. Prof. Filip Scheperjans, Helsinki University, Finland
12.00 - 12.30

Lunch
12.30 - 13.30

FMT as add-on treatment in Oncology
Dr. Ilan Youngster, Assaf Harofeh Medical Center, Israel
13.30 - 14.00
PROGRAM

DAY 1 - MONDAY 12 SEPTEMBER 2022

14.00 - 14.30  Discussion: Challenges when conducting clinical trials in FMT
Moderator: Dr. Josbert Keller, Haaglanden University Hospital, the Netherlands

14.30 - 14.40  Short break

14.40 - 15.30  FMT in the USA: research and regulation

14.40 - 15.10  FMT in the USA: clinical use and research
Dr. Sahil Khanna, Mayo Clinic, Rochester, MN

15.10 - 15.30  Regulation of FMT research
CEO Julie Barrett O’Brien, OpenBiome, MA

15.30 - 16.00  Coffee and Danish delights

16.00 - 17.30  Methods and the future

16.00 - 17.00  Collecting, preserving and modifying the human microbiome. Methodological considerations and an introduction to the Microbiota Vault project
Ph.D Rob Knight, University of California San Diego, La Jolla, CA. Virtual participation.

17.00 - 17.30  Panel discussion on Future regulation of FMT
Led by Dr. Christian Lodberg Hvas, Aarhus University Hospital, Denmark

17.30 - 17.45  Wrap up Day 1
Dr. Christian Lodberg Hvas & Prof. Lars Hestbjerg Hansen.
Introduction to joint evening conference dinner.

17.45  Wine & networking followed by Conference dinner
DAY 2 - TUESDAY 13 SEPTEMBER 2022

08.00 – 09.00  Registration, breakfast & networking

09.00 - 10.30  Early-stage researchers – Flash talks and poster session.
Coordinated by Dr. Frederik Cold, University of Copenhagen and Dr. Simon Mark Dahl Baunwall, Aarhus University

09.00 - 09.45  Flash talks from early-stage researchers

09.45 - 10.30  Poster session

10.30 - 11.00  Coffee break

11.00 - 12.30  How can we change the gut microbiome and its metabolic activities?

11.00 - 11.30  Neonatal seeding: nature’s own FMT?
Dr. Katri Korpela, Helsinki University, Finland

11.30 - 12.00  Metabolic activities of gut microbes
Prof. Tine Rask Licht, DTU Food, Danish Technical University, Denmark

12.00 - 12.30  The gut virome: mediator of intestinal homeostasis?
Prof. Dennis Sandris Nielsen, University of Copenhagen, Denmark

12.30 - 13.30  Lunch
Day 2 - Tuesday 13 September 2022

13.30 - 15.00  
**FMT and microbiome research – The global perspective**

13.30 - 14.00  
**Microbiome restoration in global health: evidence and ongoing research in malnutrition, stunting and diarrheal diseases**
Dr. Majdi Osman, Clinical Director and Global Health Lead, OpenBiome, Boston, MA

14.00 - 14.30  
**Denmark as a leading country in FMT research. How do we get there?**
Dr. Simon M. Dahl Baunwall, Aarhus University, Denmark

14.30 - 15.00  
**Public-private partnerships in microbiome research: Bridging the gap from academia to industry**
Adam Baker, Director of science, Chr. Hansen, Denmark

15.00 - 15.30  
**Coffee break – Danish delights**

15.30 - 16.15  
**Beyond FMT: Improved and safe microbiota modulation through virome/bacteriophage transfer**

15.30 - 15.50  
**Bacteriophage therapy. Presentation of ongoing studies and regulatory hurdles**
Dr. Frederik Cold, University of Copenhagen, Denmark

15.50 - 16.10  
**Next generation probiotics**
Consultant Dr. Andreas Munk Pedersen, Hvidovre Hospital, Denmark

16.10 - 16.30  
**Poster prizes and conference wrap-up**
Frederik Cold, Simon Baunwall, Christian Lodberg Hvas & Lars Hestbjerg Hansen
POSTER SESSION
Early-stage researchers are invited to bring a poster for the poster session, presenting their experience and results with FMT related research. Posters will be exhibited during the symposium and discussed during the poster session on day 2.

REGISTRATION
The conference is free of charge, and has a limited number of participants.

CONFERENCE ORGANISATION & ORGANISING COMMITTEE
University of Copenhagen & Aarhus University

Prof. Lars Hestbjer Hansen
LHH is research group leader at the Microbial Ecology and Biotechnology section at the University of Copenhagen. He is a dedicated researcher with extensive experience in environmental and human associated microbiome research. He is determined to expand his research into healthcare applications; driven by the firm belief that microbial communities are the source of human health. The Innovation Fund Denmark funded project Microhealth collaboration makes use of state-of-the-art laboratory facilities for microbiological and molecular research, and brings together great minds in the field. The collaboration is the beginning of an adventure of discovery that will boost FMT research in Denmark and is driven to find solutions to modern lifestyle disorders.

Associate professor, PhD, Christian Lodberg Hvas
Christian Hvas from Aarhus University Hospital is a leading Danish FMT researcher. He organised national and international working group symposia, is a board chair for the Danish Society for Clinical Nutrition, and has served as chair in National working groups for clinical guidelines under Danish Society for Gastroenterology and Hepatology. He is leading the Centre for faecal microbiota transplantation (CEFTA) - a five-year research and innovation project supported by Innovation Fund Denmark, with the aim to consolidate microbiota-based therapies in clinical practice, and to investigate microbiological and health economic consequences of using faecal microbiota transplantation (FMT).

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List of speakers:

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Ph.D Rob Knight,  
Director, Center for Microbiome Innovation  
Professor, Department of Pediatrics, Bioengineering, and Computer Science and Engineering, UC San Diego, USA  
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