

International Society
of **Microbiota**

TARGETING MICROBIOTA

Towards Clinical
Revolution

10TH
WORLD
CONGRESS

OCT. 17>19
— 2023 —
VENICE
ITALY

Program
2023

10th World Congress on

Targeting Microbiota

October 17-19, 2023 – Isola di San Servolo, Venice, Italy

On behalf of the International Society of Microbiota, we are pleased to inform you that the 10th Annual World Meeting on Targeting Microbiota will be held on October 17-19 in Venice, Italy.

During Targeting Microbiota 2023, we will discuss the following topics:

- *Microbiota & The Medicine of Tomorrow: Strategies and Barriers*
- *Targeting Microbiota in Disease: Preventative & Therapeutic Strategies*
- *Environment, Lifestyle & Microbiota: A "One Health" Approach*
- *ISM 2023 Innovations*
- *5 Minutes - Pitch: Dedicated to Start-ups, Academics, Industries & Investors*

Targeting Microbiota 2023 will dedicate significant time to all actors and players in the microbiota field to share their latest projects and innovations. The ISM will gather investors, scientists, and startups to network and exchange innovative ideas.

A workshop will also be dedicated to Microbiota Business Launching: "**The Microbiota Business: From Research to Market**", which aims to:

- Elaborate the implementation of microbiota research into business
- Explain microbiota analysis kit development and content
- Highlight the challenges & limitations of microbiota analysis kit
- Elaborate probiotic strains selection & formulation process

I hope to meet you this October to capture moments of conviviality and scientific inspiration by the many and best scientists we have in the world studying the various aspects of the microbiota.

All our warmest regards.



Prof. Peter C. Konturek

Teaching Hospital of the University of Jena, Germany
President of the International Society of Microbiota
www.microbiota-site.com



ISM Speakers 2023



COVID 19 and Microbiota - A Story with a Long Tail
Peter C. Konturek, President of ISM from Teaching Hospital of the University of Jena, Germany



Microbiota & Myelinization: The Latest Findings
Maria Cecilia Giron, University of Padova, Italy



Domestic Cleaning and Human Microbiome - Is There a Link?
Markus Egert, Furtwangen University, Germany



Mapping the Kitchen Microbiota in Five European Countries
Birgitte Moen, Nofima, Norway



Environmental Drivers of Avian Enteric Neuroendocrine Plasticity in the Context of Foodborne Pathogen Carriage
Joshua Lyte, United States Department of Agriculture, Agricultural Research Service, USA



Skin Microbial Changes during Space Flights
Pamela Tozzo, University of Padova, Italy



Gut Microbiota and Cancer Immunotherapy
Andrew Y. Koh, University of Texas Southwestern Medical Center, USA



Computational Modeling Microbial Community Networks: Pros and Con
Barbara Di Camillo, University of Padova, Italy



Effect of Gut Microbiota Regulation on Non-Alcoholic Fatty Liver Disease
Yu Chen, The 7th Affiliated Hospital of Southern Medical University, China



Microbiome Engineering: Reprogramming microbes to rewire host-microbiome interactions
Matthew Chang, National University of Singapore, Singapore



Multi-omics in Colon Cancer and Role of the Microbiome
Souhaila Al Khodor, Sidra Medicine, Qatar



Microbiota, Prophages & Phage Therapy: The Missing Link
Marvin Edeas, Founder & Chairman of ISM Committee, Institut Cochin, INSERM, Université de Paris, France



Engineered Escherichia Coli for the in Situ Secretion of Therapeutic Nanobodies in the Gut
Cammie Lesser, Harvard University, USA



Microbiota and Interactions with the Enteric Nervous System
Karl-Herbert Schäfer, Kaiserlautern University of Applied Sciences, Germany



Anthropology and Research on the Microbiome: Addressing Future Health
Roberta Raffaetà, Università Ca' Foscari Venezia, Italy



Gut Microbiota & Microbiota-Derived Metabolites Role in Endometriosis
Ramakrishna Kommagani, Baylor College of Medicine, USA



Fecal Gut Microbiota and Metabolite Signatures as Biomarkers for Gastrointestinal Disorders
Lena Öhman, University of Gothenburg, Sweden



Arresting microbiome development limits immune system maturation and resistance to infection in mice
Michael Silverman, University of Pennsylvania, USA



Microbiota, Enteric Nervous and Immune Systems: Barrier Defenses against Foodborne Pathogens Carriage in Poultry
Valentina Caputi, United States Department of Agriculture, Agricultural Research Service, USA



Evaluation of Transitional Changes Shaping the Infants' Gut Microbiota in Early Life: The CLEMME Study
Vincenzo Di Pilato, University of Genoa, Italy



Clinical Applications of Gut Microbiota: Gut Microbiome for Prediction of Colorectal Neoplasia
Francis K L Chan, The Chinese University of Hong Kong, China

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Targeting Microbiota

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Microbiota Business Launching Workshop 2023 Program

The Microbiota Business: From Research to Market

October 17, 2023

13h00 - **Welcoming of Attendees**

14h00 - **Session 1:** How to develop microbiota analysis kit for humans and animals?

- a- Microbiota analysis kit : Introduction
- b- Practical aspects of kits development

15h30 – 16h00 – Coffee Break

16h00 - **Session 2:** Formulation of probiotics strains for humans and animals

17h30 - **Questions & Answers**

Discussion – Microbiome Profiling Kits: How to overcome the current challenges?

End of the Workshop



Dr. Tewodros Debebe, PhD
Scientific Officer
International Society of Microbiota

For full agenda, registration, and information, please follow this link

**WORKSHOP
AGENDA**

Congress Day 1 - Wednesday, October 18, 2023

8h00 **Materials Distribution & Welcome Coffee**

8h50 **Welcome Note of Targeting Microbiota 2023**

Peter C. Konturek, *President of ISM, Teaching Hospital of the University of Jena, Germany*

Marvin Edeas, *Founder & Chairman of ISM's Committee, Institut Cochin, INSERM, Université de Paris, France*



9h00 – **COVID 19 and Microbiota – A Story with a Long Tail**

Peter C. Konturek, *President of ISM from the Teaching Hospital of the University of Jena, Germany*

Session 1: Microbiota & The Medicine of Tomorrow: Strategies and Barriers



9h30 – **Microbiota and Interactions with the Enteric Nervous System**

Karl-Herbert Schäfer, *Kaiserlautern University of Applied Sciences, Germany*



9h55 – **Anthropology and Research on the Microbiome: Addressing Future Health**

Roberta Raffaetà, *Università Ca' Foscari Venezia, Italy*

10h20 – **Questions to speakers**

10h35 – 11h15 *Coffee Break, Networking, & Poster Session*



11h35 – **Microbiota & Myelinization: The Latest Findings**

Maria Cecilia Giron, *University of Padova, Italy*



12h00 – **Arresting Microbiome Development Limits Immune System Maturation and Resistance to Infection in Mice**

Michael Silverman, *University of Pennsylvania, USA*

12h25 – **Questions to speakers**

12h35 – 14h00 *Lunch Break, Networking, & Poster Session*



14h00 – **Details of How the Gut Microbiota Changes in the First Months of Life**

Vincenzo Di Pilato, *University of Genoa, Italy*



14h25 – **Gut Microbiota & Microbiota-Derived Metabolites Role in Endometriosis**

Ramakrishna Kommagani, *Baylor College of Medicine, USA*



14h50 – **Environmental Drivers of Avian Enteric Neuroendocrine Plasticity in the Context of Foodborne Pathogen Carriage**

Joshua Lyte, *United States Department of Agriculture, Agricultural Research Service (USDA), USA*



15h15 – **Microbiota, Enteric Nervous and Immune Systems: Barrier Defenses against Foodborne Pathogens Carriage in Poultry**

Valentina Caputi, *United States Department of Agriculture, Agricultural Research Service (USDA), USA*

15h40 – **Questions to speakers**

16h00 – 16h30 *Coffee Break, Networking, & Poster Session*

Session 2: Targeting Microbiota in Disease: Preventative & Therapeutic Strategies



16h30 – **Microbiota, Prophages & Phage Therapy: The Missing Link**

Marvin Edeas, *Founder & Chairman of ISM's Committee, Institut Cochin, INSERM, Université de Paris, France*



16h55 – **Gut Microbiota and Cancer Immunotherapy**

Andrew Y. Koh, *University of Texas Southwestern Medical Center, USA*



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Lena Öhman, *University of Gothenburg, Sweden*



17h55 – **Clinical Applications of Gut Microbiota: Gut Microbiome for Prediction of Colorectal Neoplasia**

Francis K L Chan, *The Chinese University of Hong Kong, China*



18h20 – **Effect of Gut Microbiota Regulation on Non-Alcoholic Fatty Liver Disease**

Yu Chen, *The 7th Affiliated Hospital of Southern Medical University, China*

18h55 – **Questions to speakers**

19h15 **End of Congress Day 1**

20h00 **Meet the Speakers Dinner** (*Reserved for ticket holders only*)

Congress Day 2 - Thursday, October 19, 2023

8h30 **Materials Distribution & Welcoming of Attendees**

Session 3: Environment, Lifestyle & Microbiota: A "One Health" Approach



9h00 – **Domestic Cleaning and Human Microbiome - Is There a Link?**

Markus Egert, *Furtwangen University, Germany*



9h25 – **Mapping the Kitchen Microbiota in Five European Countries**

Birgitte Moen, *Nofima—Norwegian Institute of Food, Fisheries and Aquaculture Research, Norway*

9h50 – **Questions to speakers**

10h00 **Short Oral Presentations (8 minutes + 2 minutes for discussion)**

10h30 – 11h10 *Coffee Break, Networking, & Poster Session*

Session 4: ISM 2023 Innovations



11h10 – **Engineered Escherichia coli for the in Situ Secretion of Therapeutic Nanobodies in the Gut**

Cammie Lesser, *Harvard University, USA*



11h35 – **Microbiome Engineering: Reprogramming microbes to rewire host-microbiome interactions**

Matthew Chang, *National University of Singapore, Singapore*



12h00 – **Skin Microbial Changes during Space Flights**

Pamela Tozzo, *University of Padova, Italy*

12h25 – **Questions to speakers**

12h40 – 14h00 *Lunch Break, Networking, & Poster Session*



14h00 – **Computational Modeling Microbial Community Networks: Pros and Cons**
Barbara Di Camillo, University of Padova, Italy



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Souhaila Al Khodor, Sidra Medicine, Qatar

14h50 – **Questions to speakers**

15h00 – 15h30 *Coffee Break, Networking, & Poster Session*

15h30 – 16h10

Session 5: 5 Minutes - Pitch: Dedicated to Start-ups, Academics, Industries & Investors

Targeting Microbiota 2023 will dedicate significant time to all actors and players in the microbiota field to share their latest projects and innovations. Submit your innovation and project to participate in the 5 minutes-pitch.

**ABSTRACT
SUBMISSION**

16h10 **Short Oral Presentations** (8 minutes + 2 minutes for discussion)

17h30 **Round Table Discussion & Concluding Remarks**

18h00 **Targeting Microbiota 2023 Awards**

18h15 **End of Targeting Microbiota 2023**