9th World Congress on Targeting Microbiota

October 19-21, 2022
Paris, France

Agenda
Welcome to the
9th ISM World Annual Meeting

On behalf of the International Society of Microbiota, we are pleased to inform you that the 9th Annual World Meeting on Targeting Microbiota will be held on October 19-21, 2022 at Sorbonne University in Paris, France and online.

During Targeting Microbiota 2022, we will discuss the following topics:

- **Microbiota & Microbiota Dysbiosis in Diseases: Recent Advances**
- **Nutrition, Water and Microbiota: The Missing Links**
- **Immunotherapy, Antibiotic Resistance, Cancer & Microbiota: Towards Personalized Medicine**
- **Strategies, Innovations & Challenges to Target Microbiota Dysbiosis**

Among the other hot topics that will be covered: Oral microbiota, vaginal microbiota, microbiota biofilms, retinal disorders, respiratory infections, arterial thrombosis, ischemic stroke, ageing, circadian system, depression, FMT, multi-omics, gene editing, precision medicine, cancer immunotherapy, mineral water, Mediterranean diet, weight loss…

I do believe that this would be the best future strategy for the 9th World Congress of Targeting Microbiota in 2022: a strong communication between basic, pre-clinical scientists and clinicians.

So, 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
9th World Congress on Targeting Microbiota

Targeting Microbiota towards clinical revolution

October 19-21, 2022 Sorbonne Université Paris, France

9th ISM World Annual Meeting

October 19-21, 2022 Sorbonne Université Paris, France & Online

FMT 2022: Reorganization and Perspective
Peter C. Konturek, President of IoM Teaching Hospital of the University of Jena, Germany

Microbiota & Microbiotial Medicine: Where we are Now & What’s Next?
Marvin Edeas, Founder & Chairman of ISN’s Committee, Institut Cochin, INSERM U1016, Université de Paris, France

Gene Editing and Microbiome Therapy
Nahla Maniour, National Research Center, Egypt

May the Microbiota of the long-lived Naked Mole-rat Effect Human Health?
Gerd Birkenmeyer, University of Leipzig, Germany

Microbiota and Drug Metabolism: Towards a Personalized Medicine
Cristina Giaroni, University of Insubria, Italy

Gut Microbiota-Derived Extracellular Vesicles on Obesity, Diabetes and Metabolism
Fermin I. Milagro, University of Navarra, Spain

Gut Microbiome and Retinal Disorders: Recent Advances and Perspectives
Dmitri Shkreda, University of Chicago, USA

Cancer Therapy and Microbiota
Maria Cecilia Giron, University of Padova, Italy

The Probiotic Strain H. alvei HAAS97 for Weight Loss
Pierre Déchelotte, Rouen Normandy University, France

Role of the Gut Microbiota in Arterial Thrombosis
Christoph Reinhardt, University Mainz, Germany

Microbial Biomarkers to Predict Respiratory Infection
Claire A. Wooldridge, University of Bristol, UK

Probiotics and FMT as Add-On Therapies for Depression
André Schmidt, University of Basel, Switzerland

Host-Microbiota Interaction at the Mucosal Surface – Importance of a No Man’s Land!
Benoit Chassaing, Institut Cochin, France

Oral Microbial Dysbiosis and Oral Diseases
Xin Xu, Sichuan University, China

A Gut Commensal, Pseudobacteroides distasonis, and Type 1 Diabetes Onset
Emrah Altindis, Biology Department Boston College, USA

Influence of the gut microbiome in ischemic stroke risk and ischemic stroke outcome
Miguel Lledós, Biomedical Research Institute Sant Pau, Spain

Targeting microbiota to increase cancer immunotherapy efficacy
Bertrand Routy, University of Montreal Hospital, Canada

Microbial and Nutritional Influence on Endocrine Control of Growth
François Leullier, Université de Lyon, France

Fecal Microbiota Transplantation as an Immunomodulatory and Anti-Infective Agent
Jaroslaw Biliński, Medical University of Warsaw, Poland

Manipulating Fiber Polysaccharide Structure to Alter Targeting to Gut Microbiota
Stephen Lindemann, Purdue University, USA

Expanding a Healthy Human Gut Microbiota in a Mediterranean Cohort
Andrés Moya, University of Valencia, Spain

Proof-of-Principle Demonstration of Endogenous Cincadian System and Cinctadian Misalignment Effects on Human Oral Microbiota
Frank Scheer, Harvard Medical School, USA

Beneficial Effects of Natural Mineral Waters on Intestinal Inflammation and the Mucosa-Associated Microbiota
Nicolas Barnich, Université Clermont Auvergne, France

Interpreting Microbiomes Via Multi-omics for Precision Health
Nathan Price, Thorne HealthTech, USA

Interactions of Skin Microbiota with Chosen Plant Extracts and Natural Products
Sebastian Granica, Medical University of Warsaw, Poland

Understanding the Heterogeneity of Host-associated Microbial Communities
Lei Dai, Shenzhen Institutes of Advanced Technology, China

Interactions Between Epithelial Proteases And Gut Microbiota Biofilms During Intestinal Disease
Jean-Paul Motta, Institute of Digestive Health Research, France

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Early Bird Registration September 8, 2022
Short Oral Submission September 30, 2022
Poster Submission October 7, 2022

9th World Congress on Targeting Microbiota
Gut Microbiota Workshop Program

October 19, 2022

How to Evaluate & Modulate Gut Microbiota?

13h50 - Welcoming of Attendees

14h00 - Session 1: Microbiota: General introduction

14h45 - Session 2: Involvement of the microbiota in gut pathologies

15h45 – Break

16h15 - Session 3: How to study microbiota?

17h00 - Session 4: How to manipulate microbial communities?

17h45 - Session 5: How to study the beneficial effects of bacterial strains for food & food supplements

Questions & Answers

End of the Workshop

Carole Nicco,
Institut Cochin - INSERM U1016, Université de Paris, France

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

GUT WORKSHOP
9th ISM World Annual Meeting
October 19-21, 2022
Sorbonne University, Paris, France & Online

Congress Day 1 Program
October 20, 2022

8h00 Materials Distribution & Welcome Coffee

8h50 General Introduction of 9th ISM World Congress: Vision & Gaps
Peter C. Konturek, President of ISM, Teaching Hospital of the University of Jena, Germany

9h00 - 9h20 Microbiota & Microbiotal Medicine: Where We Are Now & What's Next?
Marvin Edeas, Founder & Chairman of ISM's Committee, Institut Cochin, INSERM, Université de Paris, France

Session 1: Microbiota & Microbiota Dysbiosis in Diseases: Recent Advances
Presentation length: 15 minutes + 5 minutes of discussion
Chairs: Marvin Edeas, Peter Konturek

9h20 - 9h40 Host-Microbiota Interaction at the Mucosal Surface – Importance of a No Man’s Land!
Benoit Chassaing, Institut Cochin, France

9h40 - 10h00 Short-chain Fatty Acids as Modulators of Redox Signaling in Health and Disease
Carmen González-Bosch, Universitat de València, Spain

10h00 - 10h20 Interactions Between Epithelial Proteases and Gut Microbiota Biofilms During Intestinal Disease
Jean-Paul Motta, Institute of Digestive Health Research, France

10h20 - 10h40 Understanding the Heterogeneity of Host-associated Microbial Communities
Lei Dai, Shenzhen Institutes of Advanced Technology, China

10h40 – 11h10 Coffee Break, Networking, & Poster Session
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Chair: Jakub Piwowarski

11h10 - 11h20 Utilizing Metagenomics in Early to Late-Stage R&D
Jennifer Mackay, CosmosID Inc., USA

11h20- 11h40 Oral Microbial Dysbiosis and Oral Diseases
Xin Xu, Sichuan University, China

11h40 – 12h00 Proof-of-Principle Demonstration of Endogenous Circadian System and Circadian Misalignment Effects on Human Oral Microbiota
Frank Scheer, Harvard Medical School, USA

12h00 - 12h20 Microbial Biomarkers to Predict Respiratory Infection
Claire A. Woodall, University of Bristol, United Kingdom

12h20 – 14h00 Lunch Break, Networking, & Poster Session

Chair: Gerd Birkenmeier

14h00 - 14h20 A Gut Commensal, Parabacteroides distasonis, and Type 1 Diabetes Onset
Emrah Altindis, Biology Department Boston College, USA

14h20 - 14h40 Role of the Gut Microbiota in Arterial Thrombosis
Christoph Reinhardt, University Mainz, Germany

14h40 - 15h00 Influence of the Gut Microbiome in Ischemic Stroke Risk and Ischemic Stroke Outcome
Miquel Lledós, Biomedical Research Institute Sant Pau, Spain

15h00 – 15h40 Coffee Break, Networking, & Poster Session
Session 2: Nutrition, Water and Microbiota: The Missing Links

Presentation length: 15 minutes + 5 minutes of discussion

Chair: Annalisa Terranegra

15h40 - 16h00 Precision Nutrition to Modulate Gut Microbiota in Reproductive Health and Pregnancy
Annalisa Terranegra, Sidra Medical and Research Center, Qatar

16h00 - 16h20 Interpreting Microbiomes Via Multi-omics for Precision Health
Nathan Price, Thorne HealthTech, USA

16h20 - 16h40 Beneficial Effects of Natural Mineral Waters on Intestinal Inflammation and the Mucosa-Associated Microbiota
Nicolas Barnich, Université Clermont Auvergne, France

16h40 - 17h00 Exploring a Healthy Human Gut Microbiota in a Mediterranean Cohort
Andrés Moya, University of València, Spain

17h00 - 17h20 Microbial and Nutritional Influence on Endocrine Control of Growth
François Leulier, Université de Lyon, France

17h20 Short Oral Presentations of Day 1

18h30 End of Congress Day 1

20h00 Meet the Speakers Dinner (ticket holders only)
Congress Day 2 Program
October 21, 2022

8h25 Introduction of Day 2

Session 3: Immunotherapy, Antibiotic Resistance, Cancer & Microbiota:
Towards Personalized Medicine

Presentation length: 15 minutes + 5 minutes of discussion
Chair: Cristina Giaroni

8h30 - 8h50 Microbiota and Drug Metabolism: Towards a Personalized Medicine
Cristina Giaroni, University of Insubria, Italy

8h50 - 9h10 Fecal Microbiota Transplantation as an Immunomodulatory and Anti-Infective Agent
Jarosław Biliński, Medical University of Warsaw, Poland

9h10 - 9h30 Cancer Therapy and Microbiota
Maria Cecilia Giron, University of Padova, Italy

9h30 - 9h50 Targeting Microbiota to Increase Cancer Immunotherapy Efficacy
Bertrand Routy, University of Montreal Hospital, Canada

9h50 – 10h35 Coffee Break, Networking, & Poster Session
Session 4: Strategies, Innovations & Challenges to Target Microbiota Dysbiosis

Presentation length: 15 minutes + 5 minutes of discussion

Chair: Jarosław Biliński

10h35 - 10h55 **FMT 2022: Reorganization and Perspective**

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

10h55 - 11h15 **Probiotics and FMT as Add-On Therapies for Depression**

*André Schmidt*, University of Basel, Switzerland

11h15 - 11h35 **May the Microbiota of the long-lived Naked Mole-rat Affect Human Health?**

*Gerd Birkenmeier*, University of Leipzig, Germany

11h35 - 11h55 **Gene Editing and Microbiome Therapy**

*Nahla Mansour*, National Research Center, Egypt

11h55 - 12h15 **The Probiotic Strain *H. alvei* HA4597 for Weight Loss**

*Pierre Déchelotte*, Rouen Normandy University, France

12h15 – 13h30 **Lunch Break, Networking, & Poster Session**

Chair: Matteo Serino

13h30 - 13h50 **Host-Microbes Mechanisms during *E. coli* Infections and Diet-induced Dysmetabolism**

*Matteo Serino*, CRCN INSERM, France

13h50 - 14h10 **Interactions of Skin Microbiota with Chosen Plant Extracts and Natural Products**

*Sebastian Granica*, Medical University of Warsaw, Poland

14h10 - 14h30 **Gut Microbiota-Derived Extracellular Vesicles on Obesity Diabetes and Metabolism**

*Fermin I. Milagro*, University of Navarra, Spain
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*Chair: Maria Cecila Giron*

14h30 – 14h50 **Manipulating Fiber Polysaccharide Structure to Alter Targeting to Gut Microbiota**
*Stephen Lindemann, Purdue University, USA*

14h50 - 15h10 **Gut Microbiome and Retinal Disorders: Recent Advances and Perspectives**
*Dimitra Skondra, University of Chicago, USA*

15h10 – 15h30 **Vaginal Microbiota & Dysbiosis: Recent Advances & Perspective**
*Gary Ventolini, Texas Tech University Health Sciences Center, USA*

15h30 – 16h10 **Coffee Break, Networking, & Poster Session**

16h10 **Short Oral Presentations**

17h30 **Concluding Remarks & Targeting Microbiota 2022 Awards**

18h00 **End of Targeting Microbiota 2022**