

12th

WORLD CONGRESS

Targeting Microbiota

Towards Clinical Revolution

November 5-6, 2025
Valencia, Spain

Agenda

International Society
of icrobiota

Day 1 – Wednesday, November 5, 2025

8h00 **Materials Distribution & Welcome Coffee**

8h50 **Introductory Remarks of Targeting Microbiota 2025**

Keynote Speech



9h00 **Gut Microbiota, Health, and Diet: Going towards Causality and Mechanistic Understanding**
Erwin Zoetendal, Wageningen University, The Netherlands

Session 1: Microbiota Modulation: Mechanisms and Advances



9h30 **Modulating the Gut Microbiome with Foods**
Pilar Francino, FISABIO, Spain



09h55 **Can We Modulate Gut Microbiota Dysbiosis by Dietary Powder from Fruit Waste as Novel Prebiotics**
Maria José Gosalbes, FISABIO, Spain

10h20 – 11h05 Coffee Break, Networking, & Poster Session



11h05 **Exploring Arginine and Gut Microbiota Modulation: Clinical Application**
Jochen Mattner, University of Erlangen-Nuremberg, Germany



11h30 **Bacteriophages & Food Addiction Modulation: Role of Tryptophane & Tyrosine Pathways**
Vicente Pérez-Brocal, FISABIO, Spain

11h55 **Short Oral Presentations (4 slots)**

Lavender Extract and Gut Microbiota: Bioactivity and Biotransformation
Sebastian Granica, Medical University of Warsaw, Poland

Fiber To Function: Nitrate-Reducing Bacteria Drive Gut Microbiome Adaptation
Mohammad AlBataineh, Yarmouk University, Jordan

Long-Term Sex-Dependent Effects of Antibiotic-Induced Dysbiosis and Lactobacillus Rhamnosus Gg (ATCC 53103) in Juvenile Mice: Implications for Gastrointestinal Motility and Behavior
Annalisa BOSI, University of Insubria, Italy

Crispr-Mediated Interactions Between Bacteriome, Virome and Plasmidome in The Gut Microbiome
Ekaterina Avershina, University of Oslo, Norway

12h35 – 13h45 Lunch Break, Networking, & Poster Session

Session 2: Microbiota in Aging, Cognitive Health & Systemic Effects



- 13h45 **Gut Microbiota and Cardiovascular Aging: Mechanisms and Strategy**
Soheil Saeedi, University of Zurich, Switzerland



- 14h10 **Aging & Microbiota: Modulation by FMT for Healthy Aging of the Eye and Brain**
Aimee Parker, Quadram Institute, United Kingdom



- 14h35 **Gut Microbiome and Cognitive Impairment in Ageing and Lessons from Systemic Inflammatory Diseases**
Gaspar Perez Martinez, IATA-CSIC, Spain



- 15h00 **Can Salivary and Skin Microbiome Become a Biodetector for Aging-Associated Diseases? Current Insights and Future Perspectives**
Rony Abdi Syahputra, Universitas Sumatera Utara, Indonesia

15h25 – 16h15 Coffee Break, Networking, & Poster Session

- 16h15 **Short Oral Presentations (10 slots)**

Uterine-Vaginal Microbiome Commonalities in a Cohort of Healthy Women
Katarzyna Morańska, Adam Mickiewicz University Poznan, Poland

Parasite-Mediated Alteration of Behaviour and Biomolecular Dynamics in a Mouse Model
Kevin Tan, National University of Singapore

Aging Together: the Role of Gut Microbiota and its Influence on Aging Biology
Maria Pilar Blasco Conesa, University of Texas, United States of America

Akkermansia Muciniphila Mediates Antibiotic-Induced Impairment of Female Preference in Mice
Elena Kozhevnikova, Institute of Molecular and Cellular Biology SB RAS, Russia

Gut Microbiomic Analysis of Patients with Primary Osteoarthritis
Guangju Zhai, Memorial University of Newfoundland, Canada

PKS Status Modifies the Association Between Escherichia Coli and Neoplastic Lesions in a Population Based Colorectal Cancer Screening Cohort
Trine Rounge B., University of Oslo, Norway

In Vitro Evaluation of Am3 Complex on Simulated Colonic Microbiota from Pediatric and Adult Fecal Donors
Ana López Sánchez, Cantabria Labs, Spain

Gastric Microbiome Signatures as Predictive Markers of Gastritis to Cancer Progression
Yoangliang Zhang, National University of Singapore

The Impact Of Radio and Immunotherapy on The Gut Microbiome and Treatment Outcomes in a Mouse Model of Colorectal Cancer
Lena Van Dingenen, Faculty of Medicine, University of Antwerp, Belgium

Targeting Post-Stroke Infections: Role of Microbiota-Derived Short-Chain Fatty Acids in Gut Barrier Integrity and Bacterial Translocation
Julia Castillo González, University of Lausanne, Switzerland

- 17h55 **End of Day 1**

- 20h00 Join us for an exclusive Dinner with the Speakers, a unique opportunity to connect personally with the brilliant minds behind the event (for tickets holders only)

Day 2 – Thursday, November 6, 2025

8h50 **Opening of Day 2**

Session 3: Microbiota in Clinical Medicine: Strategies & Emerging Therapies



9h00 **Butyrate in Human Health: Advancing Towards Clinical Applications for Gastrointestinal Diseases**
Alain Stintzi, University of Ottawa, Canada



9h25 **Exploring Butyrate: A Novel Approach to Liver Steatosis and Metabolic Syndrome Management**
Federica Fogacci, University of Bologna, Italy



9h50 **Anti-Obesity Effects of Probiotics: Efficacy, Mechanisms, and Challenges in Implementation**
Fermín Milagro, Universidad de Navarra, Spain



10h15 **Intravaginal Inoculation of Probiotics: Innovative Approach and Perspectives in Humans**
Marion Toquet, Universidad CEU Cardenal Herrera, Spain

10h40 – 11h25 Coffee Break, Networking, & Poster Session



11h25 **Oral Microbiota Modulation: Therapeutic Strategies**
Alex Mira, FISABIO, Spain

11h50 **Short Oral Presentations (4 slots)**

Beyond the Tumor: The Hidden Role of Microbiota in Gastric Cancer Therapy and Outcomes
Carmina Mariana Stroia, University of Oradea, Romania

Gut Microbiome Modulation by Short-Term Polyherbal Formulation Add-On to Metformin Therapy in Type 2 Diabetes Patients
Monta Briviba, Latvian Biomedical Research and Study Centre, Latvia

The Impact of Microbiome Products on Neonatal Health Outcome: A Systematic Review and Meta-Analysis of Recent Studies
Ibrahim Alfhazi, Saudi German Hospital-Aseer, Saudi Arabia

Exploring Gut-On-A-Chip Preclinical Models to Evaluate Probiotic Functionality
Jennifer Redondo García, ADM-Biopolis, Spain

12h30 – 13h40 Lunch Break, Networking, & Poster Session

Session 4: Drug-Microbiota Interactions & Systemic Implications



13h30 **The Influence of Oral and Gut Microbiome on Clinical Outcomes in Allogeneic Hematopoietic Stem Cell Transplantation**
Gislane Lelis Vilela de Oliveira, Sao Paulo State University, Brazil



13h55 **Drug Effects of Gut Microbiota in Humans: Clinical Consequences**
Carmelo Scarpignato, *United Campus of Malta & CUHK, China*



14h20 **Impact of Mental Health Medications on Gut Microbiota: Insights from Elderly Population**
Susana Ruiz-Ruiz, *FISABIO, Spain*

14h45 **Short Oral Presentations (5 slots)**

Understanding the Role of Gut Microbiome on The Brain's Reward System and Its Response to Nicotine
Yago Pazos Boubeta, *Institute Pasteur, France*

Potential Gut Microbiota-Associated Biomarkers in Wilson Disease
Carmen Espinos, *Universitat de Valencia, Spain*

Transforming IBD Management: Non-Invasive Tools for Precision Diagnosis and Monitoring
Manoj Kumar, *Research Branch, Sidra Medicine, Doha, Qatar*

Semen Microbiota and Host Interactions: Implications for the Development or Prevention of Male Infertility
Monika Fraczek, *Polish Academy of Sciences, Poland*

A Metagenomic Study of the Skin Microbiota of Brazilian Women
Raquel Siqueira, *Federal University of São Paulo, Brazil*

15h35 – 16h10 *Coffee Break, Networking, & Poster Session*

16h10 **Call For Innovation**

10 Minutes-Pitch: Dedicated to Start-ups, Academics, Industries & Investors (5 slots)

Targeted Antimicrobial Therapy to Restore Skin Microbiota in Atopic Dermatitis
Elżbieta Jagielska, *Mossakowski Medical Research Institute, Poland*

Achieving High-Throughput and Quantitative Accuracy in Metaproteomic: A Benchmark of Short LC Gradients Over 1,000 Human Gut Samples
Beatriz Rocha, *Bruker Dalotnik GmbH & Co, KG.*

The Application of High-Resolution Nuclear Magnetic Resonance (HR NMR) in Metabolomic Analyses Of Meconium and Stool in Newborns - The Mabel Project: A Preliminary Study
Gianfranco Picone, *University of Bologna, Italy*

Evaluating Potential Impact of Sequential Vaginal Swab Collection on Microbiome Profiling
Cristiano Sabelli, *Copan Italia S.p.A., Italy*



17h00 **Targeting Microbiota 2025 Concluding Remarks**
Pilar Francino, *FISABIO, Spain*

17h10 **Targeting Microbiota 2025 Awards**

17h25 **End of Targeting Microbiota 2025**

For more Information, registration and abstract submission,

Please visit: www.microbiota-site.com

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