

First Conjoint Meeting RIKEN-ISM

Pioneering Microbiota Medicine

Japan's Avant-Garde Role

A Global Summit on Personalized Nutrition,
Gut Ecosystems, and Fermented Therapeutics

Agenda

October 8-9, 2025 - Tokyo, Japan

International Society
of icrobiota

 RIKEN

First Conjoint Meeting ISM and RIKEN Targeting Microbiota

October 8 - 9, 2025 – Tokyo, Japan

Agenda - Day 1 - October 8, 2025

8h00 Materials Distribution

8h50 Welcome Note of RIKEN-ISM Targeting Microbiota



Hiroshi Ohno, RIKEN Center for Integrative Medical Sciences, Japan

Marvin Edeas, Institut Cochin, INSERM U1016, Université de Paris, France



Opening Keynote

9h00 **The Evolution of Microbiota Research: Past, Present & Future**

Hiroshi Ohno, RIKEN Center for Integrative Medical Sciences, Japan



Session 1: Microbiota Advances in Health & Disease

Chairpersons: Hiroshi Ohno, Marvin Edeas

9h30 **Development of Microbiome Medicine and Precision Nutrition Based on Japanese Gut Microbiota Research**
Jun Kunisawa, National Institutes of Biomedical Innovation, Japan



9h55 **Deciphering the Interactions Between Gut Microbiota and Male Fertility**
Cristian O'Flaherty, McGill University, Canada



10h20 – Coffee Break, Networking, & Poster Session

Chairpersons: Eiji Miyauchi, Alain Stintzi

11h00 **Maintaining Gut Symbiosis: The Crucial Role of the Mucosal Barrier in Preventing Intestinal Inflammation**
Kiyoshi Takeda, Osaka University, Japan



11h25 **Innate Lymphoid Cells and Microbiota: Cross-Talking for Maintaining Mucosal Homeostasis**
Naoko Satoh-Takayama, RIKEN Early Career Leaders, Japan



11h50 Short Oral Presentations & Innovations (8+2min)

Topical Application of a Microbial Co-Culture Metabolite Extract Promotes Skin Soothing via immune modulation
Mitsuko Kojima & Kim Jing, Sethic Innovation Labo, Japan

Mechanic Analysis of Long-Term Maintenance of Antiviral Immunity by mRNA Vaccination by Curcumin Administration
Takuma Hayashi, National Hospital Organization, Kyoto Medical Center, Japan

Influence of Organic and Conventional Probiotic Fermented Milk on Gut Microbiota in Vitro
Chaminda Senaka Ranadheera, University of Melbourne, Australia

12h20 Lunch Break, Networking, & Poster Session

13h40 **Exploring the Gut Microbiota's Role in Liver Cancer Development and Progression**
Naoko Ohtani, Osaka Metropolitan University, Japan



14h05 **A Microbiota-Derived Bile Acid Reprograms Alveolar Macrophages to Control Lung Inflammation**
Tomasz Wypych, Nencki Institute of Experimental Biology, Poland



Session 2: Microbiota & Aging: From Senescence to Longevity

Chairpersons: Jakub Piwowarski, Naoko Ohtani, Koji Atarashi



14h25 **Understanding the Microbiota of Centenarians for Healthy Aging**
Koji Atarashi, Kyushu University, Japan



14h50 **Microbial Metabolites and Their Role in Cellular Senescence**
Chao Zhao, Fudan University, China

15h15 – Coffee Break, Networking, & Poster Session



16h00 **Insights into the Microbiota-Gut-Brain Axis from Longevity Research: Kyotango Case**
Yuji Naito, Kyoto Prefectural University of Medicine, Japan



16h25 **Autoimmune Diseases & Microbiome: Preventive and Therapeutic Approach**
Eiji Miyauchi, Gunma University, Japan

16h50 Short Oral Presentations & Innovations

Gut Microbiota Time-Series Profiling Identifies Predictive Signatures of Future Severity in Experimental Autoimmune Encephalomyelitis
Hiroaki Masuoka, RIKEN, Japan

New Generation of Microbial Exosomes from LAB Strain of Ancient Olive Tree to Activate Stem Cells and Promote Exosome Biogenesis from MSCs
Sawako Hibino, Sawako Clinic, Ninapharm, Japan

Deep Shotgun Metagenomic Analysis of the Oral Microbiome Reveals Specific Bacterial Plasmids Associated with IgA Nephropathy
Sho Hamaguchi, Laboratory for Symbiotic Microbiome Sciences, RIKEN, Japan

Metabolic Profiling and Mining of Microbiota by Raman Flow Cytometry and Single-cell RACS-seq/culture
Jian Xu, Chinese Academy of Sciences, Qingdao Institute of BioEnergy and Bioprocess Technology, China

Leveraging A Gut Microbe and Its Metabolite to Relieve Stress-Induced Gut Dysfunction
Wei-Li Wu, National Cheng Kung University, Taiwan

Involvement of Fatty Acid–Bile Acid Esters and Cecal Microbiota in Pediatric Ulcerative Colitis
Musashi Hibio, Juntendo University & RIKEN, Japan

Fusobacterium Nucleatum Derived 2-Hydroxybutyric Acid Promotes NRF2-Associated Carcinogenesis in Colorectal Cancer
My-Lan Pianka, Heidelberg University Hospital, Germany

Clinical Evaluation of Probiotic, Postbiotic, and Metabolite Formulation (BIOTRA) in Improving Safety and Effectiveness in NAFLD with Grade 1 Obesity
Mario Acosta-Mejía, Metagenix, USA

18h10 End of Day One

19h30 Innovation Award Gala Dinner:

- **Innovation Award 2025**
- **Scientific Award 2025**
- **Healthy Technology Award 2025**

HAPPO-EN, 1-1-1 Shirokanedai, Minato-ku, Tokyo 108-8631

A transportation will be provided to HAPPO-EN from the congress venue.

(Reserved for ticket holders only – [Register Here](#))



First Conjoint Meeting ISM and RIKEN Targeting Microbiota

October 8 - 9, 2025 – Tokyo, Japan

Day 2 - October 9, 2025

Opening Keynote



9h00 **Microbiota Medicine: Shaping the Future of Health**
Marvin Edeas, Institut Cochin, INSERM U1016, Université de Paris, France

Session 3: Translational Microbiota: From Innovation to Clinical Practice

Chairpersons: Cristian O'Flaherty, Naoko Satoh-Takayama



9h30 **The Next Chapter in Gut Medicine: Butyrate as a Precision Modulator**
Alain Stintzi, University of Ottawa, Canada



9h55 **Butyrate & Gut Microbiota Modifications: Impact on Alzheimer's Disease and Mild Cognitive Impairment**
Kazuo Yamashiro, Juntendo University School of Medicine, Japan

10h20 – Coffee Break, Networking & Poster Session



11h00 **Microbiota and Gastroenterology: Point of view and perspectives**
Takanori Kanai, Keio University, Japan



11h25 **Gut Microbiota and Inflammatory Bowel Disease**
Nobuhiko Kamada, University of Michigan, USA & The University of Osaka, Japan



11h50 **From Tradition to Innovation: Postbiotic Metabolites of Herbal Medicines as Novel Drug Leads**
Jakub Piwowarski, Medical University of Warsaw, Poland

12h15 – Lunch Break & dedicated sessions for poster of both Days

13h15 – Poster Session of both Days

Chairpersons: Chao Zhao, Tomasz Wypych, Nobuhiko Kamada



14h00 **Decoding the Skin's Hidden Ecosystem: Microbiome and pH Gradients as Therapeutic Frontiers**
Masayuki Amagai, RIKEN & Keio University School of Medicine, Japan

14h25 **Bifidobacterium longum ssp. infantis M-63 Supplementation in Early Life: Insights from a Neonatal RCT Follow-Up and an Infant-Toddler RCT**
Akari Hiraku, Morinaga Milk Industry, Japan

14h50 **Short Oral Presentations & Innovations**

World's First Clinical Evidence for Vaginal-Oral Axis: Results from an Exploratory Clinical Trial
Sheena Irshad, Innovation Labo, Japan

Frozen Embryo Transfer Outcomes are More Closely Associated with Gut than Oral or Vaginal Microbiota: A Pilot Study
Zhe Li, The Third Affiliated Hospital, Sun Yat-Sen University, China

Unraveling Microbiome–Metabolome Networks: Integrated Biomarker Discovery for Health and Disease Across the Lifespan in Korean Populations

Mee-Hyun Lee, College of Korean Medicine, Dongshin University, Republic of South Korea

Distinct Salivary Microbiome Profiles in Breast Cancer Patients Compared to Healthy Controls

Sema Hakki, Selcuk University, Turkey

15h30 – Coffee Break, Networking, & Poster Session

16h00 **Short Oral Presentations & Innovations**

What Is Gut Health? A Consensus Panel from The International Scientific Association for Probiotics and Prebiotics

Marla Cunningham, ISAPP - International Scientific Association for Probiotics and Prebiotics, Australia

Semantics of Fermentation: Navigating Conceptual Gaps from Traditional to Precision Practices

Edouard Jurkevitch, The Hebrew University of Jerusalem, Israel

The Oral Pathobiont *Streptococcus Anginosus* is Enriched in the Gut of Stroke Subjects and Predicts Two-Year Cardiovascular Outcome

Shuichi Tonomura, National Cerebral and Cardiovascular Center, Japan

A Role of Gut Microbiome in Cardiac Cachexia and Other Conditions

Tomoko Y Steen, Georgetown University School of Medicine, USA

Pyruvate-Driven Hydrogen Production Promotes Polyphenol Bioconversion by Gut Bacteria

Mohamad Eshaghi Gorji, The Hong Kong Polytechnic University, Hong Kong

16h50 **Concluding Remarks**



Tokyo Microbiota 2025: What is Next ?

Masayuki Amagai, RIKEN & Keio University School of Medicine, Japan

17h30 Tokyo Microbiota 2025 Awards

17h40 End of Tokyo Microbiota 2025

