

International **Yakult**  
Symposium 2022

# Microbiota and Probiotics: Chances and Challenges!

## Scientific Programme



13<sup>th</sup> – 14<sup>th</sup> October 2022  
Museo Nazionale Scienza e Tecnologia  
Leonardo da Vinci  
Milan, Italy

**Yakult**  
*Science for Health*

# Thursday 13<sup>th</sup> October

10:00 **Open registration and poster assembly**

10:00 **Museum guided tour (optional)**

12:00 **Lunch**

12:45 **OPENING AND WELCOME WORDS**

Mr. Hiroyasu Matsubara, Managing Director, Yakult Europe

Mr. Yuji Amamiya, Consul General of Japan in Milan

Mr. Fiorenzo Galli, General Director Museo Nazionale Scienza e Tecnologia

13:00 **KEY NOTE LECTURE I**

**The crewed journey to space and its implications for the human microbiome**

Prof. Christine Moissl-Eichinger, Medical University of Graz, Austria

13:40 **SESSION 1. GUT-BRAIN AXIS AND STRESS, ONE OF A KIND?**

Chair: Prof. Robert-Jan Brummer, Örebro University, Sweden

**CHANCES**

13:45 **Parkinson's Disease – no Guts no Glory – the potential of food-based therapies**

Prof. Aletta Kraneveld, Utrecht University, The Netherlands

14:15 **IBS: is it all between the ears?**

Prof. Francisco Guarner, Teknon Medical Centre, Spain

14:45 **How microbes affect depression: underlying mechanisms via the gut-brain axis and the modulating role of probiotics**

Dr. Kazunori Matsuda, Yakult Central Institute, Japan

**CHALLENGES**

15:15 **Overcoming the brain barrier: a challenge for bacteria?**

Prof. Roosmarijn Vandenbroucke, Flanders Institute for Biotechnology, Belgium

15:45 **Tea & coffee break / Poster viewing**

16:15 **SESSION 2. DIVERSITY AND RESILIENCE**

Chair: Dr. Gwen Falony, KU Leuven, Belgium

**CHANCES**

16:20 **Gut microbial diversity: one health and probiotics**

Dr. Olaf Larsen, Vrije Universiteit Amsterdam, The Netherlands

16:50 **Opportunities relating to fermented foods**

Prof. Paul Cotter, Teagasc Food Research Centre and APC Microbiome Ireland, Ireland

**CHALLENGES**

17:20 **Development of the infant microbiota: from bifido-dominated to a diversity and resilient ecosystem**

Prof. Christoph Lacroix, Institute of Food Science and Nutrition at the ETH Zurich, Switzerland

17:50 **Tea & coffee break**

18:10 **SESSION 3. FLASH TALKS FROM POSTERS**

Chair: Prof. Mauro Serafini, University of Teramo, Italy

Six abstracts selected by the Scientific Committee (5 min each)

19:00 **End of sessions**

19:00 **Museum guided tour (optional)**

20:00 **Pre-dinner drinks** at the Museum, Sala Biancamano

20:30 **Dinner** at the Museum, Spazio Polene

Welcome address: Dr. Mauro Bonati, Managing Director, Yakult Italia

## Friday 14<sup>th</sup> October

- 08:30 **KEY NOTE LECTURE II**  
**Safety of microorganisms used as probiotics: which strategies for risk assessment?**  
Prof. Pier-Sandro Cocconcelli, Catholic University of the Sacred Heart, Italy
- 09:10 **SESSION 4. PROBIOTICS FROM PHARMA TO FOOD**  
Chair: Prof. Fabio Pace, Ospedale "Bolognini" Seriate (BG), Italy  
**CHANCES**
- 09:15 **Living foods: a safe salvation for health**  
Prof. Lorenzo Morelli, Catholic University of the Sacred Heart, Italy
- 09:45 **Living drugs: a solution with many benefits**  
Prof. Stephan Bischoff, University of Hohenheim, Germany  
**CHALLENGES**
- 10:15 **The importance of the responder / non-responder issue for clinical trials with probiotics. Is the traditional RCT design adequate?**  
Prof. Robert-Jan Brummer, Örebro University, Sweden
- 10:45 **Tea & coffee break / Poster viewing**
- 11:15 **SESSION 5. HEALTHY AGEING: MYTH OR HOPE?**  
Chair: Prof. André Bachi, Santo Amaro University, Brazil  
**CHANCES**
- 11:20 **Microbiota composition from 1 till 100**  
Prof. Gaspar Pérez Martínez, Institute of Agrochemistry and Food Technology (CSIC), Spain
- 11:50 **Gut microbiota changes in the extreme decades of human life: a focus on centenarians**  
Prof. Patrizia Brigidi, University of Bologna, Italy  
**CHALLENGES**
- 12:20 **Probiotics and the ageing immune system**  
Dr. Caroline Childs, University of Southampton, UK
- 12:50 **Poster Prize awards**  
Chair: Emeritus Prof. Michael Gleeson, Loughborough University, UK
- 13:10 **Closing**  
Dr. Bruno Pot, Science Director, Yakult Europe
- 13:15 **Lunch**
- 14:30 **End of International Yakult Symposium**

## Scientific Committee

**Prof. Mauro Serafini**  
University of Teramo, Italy

**Emeritus Prof. Michael Gleeson**  
Loughborough University, UK

**Dr. Bruno Pot**  
Yakult Europe, The Netherlands

**Prof. Patrizia Brigidi**  
University of Bologna, Italy

**Dr. Arianna Rolandi**  
Yakult Italia, Italy

## Conference Venue

Museo Nazionale Scienza e Tecnologia Leonardo da Vinci  
Via San Vittore 21, 20123 Milan, Italy

## Contact and Information

**Ms. Chiyuki Kajita**  
Yakult Europe B.V.  
Phone: +31 36 5211 300  
e-mail: ckajita@yakulteurope.com

**Dr. Paola Rocca**  
Yakult Italia Srl  
Phone: +39 02 831281  
e-mail: procca@yakult.it

## Organizer

**Yakult Europe B.V.**  
Schutsuisweg 1  
1332 EN Almere  
The Netherlands

## Website

<https://yakultsymposium.com>