



## 2024 ANNUAL MEETING PROGRAM

All program events will be held on campus at University College Cork in the Western Gateway Building unless otherwise noted below.

Abbreviations: IAC=Industry Advisory Committee (representatives of member companies); SFA=Students and Fellows Association

### TUESDAY JULY 9

Closed meeting for invited guests and industry members

07:30 - 13:00 Registration desk open

#### Pre-meeting program

**08:30 - 11:30: Open only to IAC, SFA and Board of Directors**

08:30 - 09:15 IAC and Board of Directors meeting

09:15 - 10:45 IAC/SFA Innovation workshops

10:45 - 11:30 Networking break

11:30 - 12:30 Industry forum (TBD)

12:30 - 13:15 Lunch break

13:15 - 17:30 **Discussion groups** (concurrent sessions) Open only to invited experts and IAC.

**1: Characterization and quantification of postbiotics**

Gabriel Vinderola, National University of Litoral, Argentina and Seppo Salminen, University of Turku, Finland

**2: How can we establish causal mediation in microbiome intervention studies?**

Daniel Tancredi, University of California, Davis, USA and Kristin Verbeke, Katholieke Universiteit Leuven, Belgium

**3: The microbiome and neurodegenerative and neurodevelopmental disorders**

Eamonn Quigley, The Methodist Hospital and Weill Cornell School of Medicine, Texas, USA and Hania Szajewska, The Medical University of Warsaw, Poland

**4: Evidence for candidate prebiotics, including polyphenols, resistant starch, and animal-derived substances**

Karen Scott, University of Aberdeen, Scotland and Kelly Swanson, University of Illinois at Urbana-Champaign, Illinois, USA

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## 5: How does digestion affect prebiotic and probiotic function?

Anisha Wijeyesekera, University of Reading, United Kingdom and Maria Marco, University of California, Davis, USA

## 6: Next-generation probiotics by implementation of genetic engineering and other tools

Sarah Lebeer, University of Antwerp, Belgium, Colin Hill, University College Cork, Ireland

**17:30 - 20:00** **Welcome reception.** *Aula Maxima, University College Cork*

In association with **APC Microbiome Ireland.**

Social event with light refreshments. Open registration delegates are welcome to attend.

## WEDNESDAY JULY 10

### Open registration meeting

07:30 - 08:30 Registration desk open

08:30 - 08:35 **Welcome**

08:35 - 09:05 **Health-associations in soil-based intervention trials – a probiotic and postbiotic perspective**

Aki Sinkkonen, University of Helsinki, Finland

09:05 - 09:35 **Microbiota-mucin interactions – the key commensal enzymes in gut colonization**

Ana Luis, University of Michigan, USA

09:35 - 09:55 **The Sanders Award for Advancing Biotic Science 2024 Lecture: Yogurito: Challenges and achievements of a probiotic social assistance program**

Maria Pía Taranto, National Scientific and Technical Research Council (CERELA-CONICET), Argentina

09:55 - 10:25 Break

10:25 - 10:55 **Mother baby transmission of bifidobacterial strains**

Douwe van Sinderen, University College Cork, Ireland

10:55 - 12:25 **Special Session: Probiotics and premature infants - Perspectives and paths forward**

Geoffrey Preidis, Baylor College of Medicine and Texas Children's Hospital, USA

Mark Underwood, Providence Sacred Heart Medical Center and Children's Hospital, USA

Janet Berrington, Newcastle Upon Tyne Hospitals NHS Foundation Trust, UK

Hania Szajewska, Medical University of Warsaw, Poland

Diane Hoffman, University of Maryland, USA

Greg Leyer, Biotic Solutions Consulting, USA

12:25 - 13:25 Lunch break

13:25 - 14:55 Poster viewing and SFA poster judging. Authors will be present for all posters.

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- 14:55 - 15:25 **Deconstructing the ecology of the gastrointestinal tract**  
KC Huang, Stanford University, California, USA
- 15:25 - 15:55 **The environmental implications of biotic use in agricultural animals**, Steven Ricke, University of Wisconsin-Madison, Wisconsin, USA
- 15:55 - 16:25 **The Glenn Gibson Early Career Researcher Award 2024 Lecture: Gut microbial regulation of threat responses in humans: The role of short-chain fatty acids**  
Boushra Dalile, KU Leuven, Belgium
- The Gregor Reid Award for Outstanding Scholars in Developing Nations 2024 Lecture: Peptidome insights: Mining bioactive peptides in fermented dairy and non-dairy products in the Indian Himalayan Region**  
Rounak Chourasia, National Agri-food Biotechnology Institute, Mohali, Punjab, India
- 16:25 - 17:25 **Late Breaking News**  
Gregor Reid, University of Western Ontario, Canada
- 17:25 - 18:30 Break
- 18:30 - 22:00 **Gala social event, Cork City Gaol, Convent Avenue, Sunday's Well, Cork City**  
Tickets available for purchase for open registration delegates.

## THURSDAY JULY 11

### Open registration meeting

- 09:00 - 10:00 **Research highlights from industry and student members**  
Selected IAC and SFA member talks (pending abstract selections)
- 10:00 - 10:30 **Lactic acid bacteria and skin health - a paradigm with therapeutic implications**  
Catherine O'Neill, University of Manchester, UK
- 10:30 - 11:00 Break
- 11:00 - 11:30 **Microbiome-gut-brain axis in health and disease - parsing causality**  
John Cryan, University College Cork, Ireland
- 11:30 - 13:00 **Summary reports from Discussion groups**  
1: Characterization and quantification of postbiotics  
2: How can we establish causal mediation in microbiome intervention studies?  
3: The microbiome and neurodegenerative and neurodevelopmental disorders  
4: Evidence for candidate prebiotics, including polyphenols, resistant starch, and animal-derived substances  
5: How does digestion affect prebiotic and probiotic function?  
6: Next-generation probiotics by implementation of genetic engineering and other tools
- 13:00 **Close**