

All lecture events and poster session are located in the [SITGES PLENARY ROOM](#), unless otherwise noted. Lunch will be served at [VEREMA RESTAURANT](#) and the Welcome Reception held in [VEREMA GARDEN](#).

WEDNESDAY – JUNE 15

- 7:30-19:30 **Registration Desk**
- 7:30-10:30 **Poster Setup**
- 8:30-10:30 **Industry Advisory Committee (IAC) + ISAPP Board of Directors**
This session is for ISAPP industry members and board members only. All industry members are welcome to attend this update on ISAPP activities and provide feedback to the ISAPP Board
 Chairs: Marla Cunningham, Metagenics, Northgate, Australia and Dan Merenstein, Georgetown University School of Medicine, Washington DC, USA
- 8:30-10:30 **Students and Fellows Association (SFA) Program** [GARRAF ROOM](#)
This introductory program is for SFA attendees only
 Chair: Daragh Hill, University College Cork, Ireland
- 10:30-11:00 **Break & Poster Viewing**
- 11:00-12:30 **Industry Forum**
This industry-member organized session is open to all meeting participants
Precision probiotics and prebiotics
 Jens Walter, University College Cork, Ireland
 Niv Zmora, Weizmann Institute of Science, Rehovot, Israel
 Chairs: Marla Cunningham and Kelly Swanson, University of Illinois, Urbana - Champagne, USA
- 12:30-13:30 **Lunch**
- 13:30-13:45 **Welcome to ISAPP 2022**
 Dan Merenstein, ISAPP President
 Marla Cunningham, Sr. IAC Representative
 Brendan Daisley, SFA Vice-President, University of Guelph, Canada
- 13:45-15:30 **Interactive Session**
The Then, Now, and Future of the “Biotics” Family
 Eamonn Quigley, The Methodist Hospital and Weill Cornell School of Medicine, Houston, TX, USA
 Kristin Verbeke, KU Leuven, Belgium
 Clara Belzer, Wageningen University, The Netherlands
 Chair: Dan Tancredi, University of California-Davis, USA

WEDNESDAY – JUNE 15 (CONTINUED)

15:30-16:30 **Debate**

All probiotic effects must be considered strain-specific

Pro position: Hania Szajewska, The Medical University of Warsaw, Poland

Con position: Sarah Lebeer, University of Antwerp, Belgium

Panel: Dan Merenstein, Maria Marco, University of California - Davis, USA and Arthur Ouwehand, IFF, Kantvik, Finland; Gabriel Vinderola

Chair: Colin Hill, University College Cork, Ireland

16:30-17:00 **Break & Poster Viewing**

17:00-18:30 **Featured Talks**

Q&A following each talk

- *Personal predictions for the future of prebiotics (science only, don't ask me about economy).* (25 min)
Glenn Gibson, University of Reading, UK
- *Live dietary microbes and health. An update of an ISAPP project.* (20 min)
Maria Marco
- *Antiviral potential of topically applied lactobacilli in the respiratory tract: from mechanisms to application.* (15 min)
Irina Spacova, University of Antwerp, Belgium
2021 Glenn Gibson Early Career Researcher Prize Winner
- *Human milk oligosaccharide-utilizing bifidobacteria produce immunomodulatory aromatic lactic acids in the infant gut.* (15 min)
Martin Laursen, National Food Institute, Technical University of Denmark, Kgs. Lyngby
2022 Glenn Gibson Early Career Researcher Prize Winner
- *IAC talk: Individual and group-based differences in gut microbiota responses to in vitro fiber interventions: Can mixtures of prebiotics contribute to harmonized beneficial effects?* (15 min)
Frank Schuren, TNO, The Netherlands

Chair: Kelly Swanson

18:30-19:30 **Late Breaking News**

Chair: Gregor Reid, University of Western Ontario, London, Canada

19:30-21:30 **Welcome Reception & Poster Viewing**

Drinks and food to be served

THURSDAY – JUNE 16

7:30-9:00 **Registration Desk**

8:30-13:00 **Discussion Groups**

1. *The impact of diet on health benefits conferred by probiotics and prebiotics.* [GARRAF ROOM](#)

Chairs: Maria Marco, University of California Davis, USA and
Kevin Whelan, King's College London, UK

2. *Probiotic acute and long term safety: where do we stand in 2022?* [MOSCATELL ROOM](#)

Chairs: Dan Merenstein and Mary Ellen Sanders, ISAPP, Centennial, CO, USA

3. *What do we really know about the microbiome and health?* [GINESTA ROOM](#)

Chairs: Karen Scott, University of Aberdeen, Scotland and Sarah Lebeer

4. *The small intestinal microbiome – an ignored/undefined therapeutic target.* [GARNACHA ROOM](#)

Chairs: Eamonn Quigley and Purna Kashyap, Mayo Clinic, Rochester, MN, USA

5. *Establishing causality in probiotic and prebiotic intervention trials.* [MACABEO ROOM](#)

Chairs: Bob Hutkins, University of Nebraska, Lincoln, USA and
Jens Walter, University College Cork, Ireland

6. *The status of 'biotics' in fermented foods.* [MONASTRELL ROOM](#)

Chairs: Gabriel Vinderola, National University of Litoral, Argentina and
Kelly Swanson

8:30-13:00 **Students and Fellows Association Program** [SITGES PLENARY ROOM](#)

Chair: Daragh Hill

13:00-14:00 **Lunch**

14:00-15:30 **Plenary Session: Microbiota-mediated mechanisms driving health benefits**

- *Unravelling health promoting microbiota-mediated mechanisms using metabolic profiling*
Anisha Wijeyesekera, University of Reading, UK
- *Do prebiotics promote health through microbiota-mediated mechanisms?*
Michiel Kleerebezem, Wageningen University & Research, The Netherlands
- *Probiotics and chronic constipation: mechanisms of action and effectiveness*
Eirini Dimidi, King's College London, UK
2022 Glenn Gibson Early Career Researcher Prize Winner

Chair: Karen Scott

15:30-16:00 **Break**

THURSDAY – JUNE 16 (CONTINUED)

- 16:00-16:45 **Todd Klaenhammer Memorial Lecture**
Bacteria and bacteriophage - are they fighting or are they dancing?
Colin Hill
Chair: Mary Ellen Sanders
- 16:45-17:30 **Mini-Plenary: Postbiotics**
- *A decade of research on Akkermansia muciniphila: what do we know now?*
Clara Belzer
 - *Regulatory perspectives on the first EFSA-approved novel food*
Seppo Salminen, University of Turku, Finland
- Chair: Seppo Salminen
- 19:00 Buses loading for Hotel Estela event
- 19:15 Buses depart
- 19:30-22:30 **Dinner at the HOTEL ESTELA near the sea in Sitges**
Join meeting participants and guests for a gala Catalanian dinner with Spanish wines and beers.

FRIDAY – JUNE 17

- 7:30-9:00 **Registration Desk**
- 8:30-10:00 **Plenary Session: Clinical developments**
- *Pain in the NEC: Choosing the Right "Biotic" for Preterm Neonates*
Geoff Preidis, Baylor College of Medicine and Texas Children's Hospital, Houston, USA
 - *Microbiota and gas related complaints*
Francisco Guarner, University Hospital Vall d'Hebron, Barcelona, Spain
 - *IAC talk: Prebiotic Galacto-oligosaccharides Impact Stool Frequency and Fecal Microbiota in Self-reported Constipated Adults: A Randomized Clinical Trial*
Marieke Schoemaker, FrieslandCampina, The Netherlands
- Chair: Eamonn Quigley
- 10:00-10:30 **Break**
- 10:30-12:30 **Summary Reports from Discussion Groups & Students and Fellows Association**
Discussion Group Chairs and SFA President
Chair: Gabriel Vinderola