

INTERNATIONAL SOCIETY OF MICROBIOTA

HOW TO EVALUATE & MODULATE

GUT MICROBIOTA ?

Online Workshop on October 19, 2022

Agenda

www.microbiota-site.com



How to Evaluate & Modulate Gut Microbiota?

October 19, 2022

9h00 - 12h30 (Paris time)

Online & Recorded Workshop

We are pleased to organize the workshop dedicated to **Gut Microbiota**.

The workshop will be interactive and will be recorded to allow a large international access to the whole presentations. You could access the workshop via our online platform if you missed it.

The aim of this workshop is to discuss the last advances on gut microbiota evaluation & modulation.

Among the topics which will be addressed:

- *Present the role of the Gut Microbiota in human and discuss the consequences of its dysfunction on the body*
- *Discuss the methods of cultures and analysis of the Gut microbiota and present the controversies related to these methods*
- *We will discuss all methods related to Microbiota analysis, interpretation and animals' models*
- *Present the latest scientific innovations on the Gut Microbiota, the opportunities and challenges ahead*
- *The development of pre, pro and post-biotics with a view to understand how these formulations may be at the heart of rebalancing and strengthen the microbiome*
- *Many practical cases will be presented...*

Among the 2022 novelties:

- *Present the latest advances and results concerning the intestinal microbiota*
- *Discuss new microbiota analysis techniques*
- *Update the latest innovations concerning the intestinal microbiota*

This workshop is intended for anyone who wish to improve their skills and knowledge in the field of microbiota, their key roles within the body, analysis tools and the latest therapeutic innovations.

Looking forward to meeting you very soon.

Please don't hesitate to contact us for any further information.



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Gut Microbiota Workshop

Online Workshop

Agenda

08:50 **Welcome of Attendees**

9:00 **Session 1: General introduction to Microbiota**

- Overviewing Gut microbiota in health
- Gut microbiota assembly and ecology: Composition and Diversity
- Interactions between host/microbial species
- Gut microbiome interactions with host immunity
- Strategic role of metabolites
- Recent advances and perspective

Session 2: Involvement of the microbiota in Gut pathologies

- Symbiosis *versus* dysbiosis
- Deregulation of the microbiota in diseases: Cause and Consequence?
- General presentation of the most used culture methods, their main characteristics, their main advantages and disadvantages

10:00 – Break

10:15 **Session 3: How to study microbiota?**

- Study and research models
- New high-throughput sequencing tools for microbial fingerprinting
- General presentation of the most used analysis and sequencing methods to assess the quality and quantity of the Gut microbiota

Session 4: The manipulation of microbial communities

- Biological tools to manipulate the Gut microbiota to influence health
- What techniques are used for microbiota manipulations: Pre/Pro-biotics, FMT, ...
- Practical cases

11:15 - Break

11:30 **Session 5: How to study the beneficial effects of bacterial strains for food & food supplements**

- Formulation strategies for food supplements and products using a scientific, clinical, and legislative approach
- How to select the best Pre/Pro-biotics for specific applications such as Obesity, Depression, Longevity

12:00 Questions and Discussion

12:30 End of the Workshop

Registration

Registration fee for only workshop:

- Academics: **495€**
- Industrials: **795 €**

REGISTER HERE



Who Should Attend?

Are you scientist working in the field of microbiology, immunology, virology, research engineer, researcher, research assistant, formulator, laboratory technicians or business manager? You wish to initiate yourself and acquire more knowledge in the field of the microbiota in general and the Gut microbiota, in particular.

Teaching Resources

- Presentation support given to participants
- Presentation proposed by the speaker via PowerPoints
- Q&A session with all participants

Each participant will receive a report detailing each session and will obtain summaries and Power Point presentations.

If you cannot attend the workshop, you can order:

- The report in PDF format
- The recorded Workshop

For more information: www.microbiota-site.com/gut-microbiota-workshop/