International Society of Microbiota

Scientific Agenda

Targeting Microbiota 2019
Towards Clinical Revolution

October 10 - 11, 2019
Park Inn Hotel - Krakow, Poland

www.microbiota-site.com
On behalf of the International Society of Microbiota, we are pleased to inform you that the 7th World Congress on Targeting Microbiota will be organized in Park Inn Hotel - Krakow, Poland, on October 10 - 11, 2019.

During those days, a lot of oral and poster presentations will be introduced and will cover many hot topics:

- **Microbiota 2019: Recent Advances & Perspectives**
- **Microbiota Metabolites and Metabolome: Challenges & Perspectives**
- **Challenges of microbiota-host cross-talk understanding and intestinal microbiome signaling to extraintestinal organs**
- **Microbiota & medicine of tomorrow: Development of effective therapeutic strategies to manipulate the gut microbiota**
- **New Session dedicated to Built Environment Microbiome**
- **Special Workshop dedicated to Skin microbiota 2019: From basics to applied cosmetics and skin care**
  - The first part - Skin Microbiota: Recent advances and perspectives
  - The second part - Strategies to modulate and affect skin microbiota in health and diseases

I do believe that this would be the best future strategy for the 7th World Congress of Targeting Microbiota in 2019: strong communication between basic, pre-clinical scientists and clinicians.

**Microbiota & Medicine of Tomorrow: The Revolution**

The Microbiota and microbiome are transforming deeply our understanding of Medicine of tomorrow. It is really a revolution which allows us to rethink and redesign our strategies about the way we will prevent and treat many diseases and pathologies.

**Among the strategic questions which will be debated:**

- How can all big data generated by microbiota sequencing or the metabolome be used?
- Can we speak about Artificial Intelligence and microbiota medicine?
- What is the credibility of tests, devices probiotics the market?

I hope to meet you at the next meeting to capture moments of conviviality and scientific inspirations and to study the various aspects of the microbiota with the best scientists we have in the world.

Krakow is a unique place for visitors and offers the most convenient and pleasant settings for international congresses, and has the oldest and largest academic centers in Poland. The city is famous for its historical old town (UNESCO World Heritage Site) along with the Wawel castle and the city’s Kazimierz district. Krakow can be easily reached by plane, train or car.

Looking forward to seeing you soon,

Our warmest regards.

**Prof. Peter C. Konturek** - President of ISM
Teaching Hospital of the University of Jena, Germany
**Congress Sessions:**
- Microbiota 2019: Recent Advances & Challenges
- Microbiota Metabolites and Metabolome: Challenges & Perspectives
- Workshop: Skin microbiota 2019. From basics to applied cosmetics and skin care
- Session on Built Environment Microbiome
- Microbiota medicine of tomorrow: Development of effective therapeutic strategies to manipulate the gut microbiota
- Round Table Discussion: The Scientific Committee will discuss two topics:
  - The future of Microbiota Medicine
  - The future of Microbiota Investments

**Microbiota 2019 Key Dates**
- **Microbiota Medicine of tomorrow:** How do microbiota and metabolites will affect our classical thinking and make us rethink and redesign our strategies
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- **Marvin Edels,**
  Université Paris Descartes, INSERM 1016, France
- Special session on Built Environment Microbiome
- **Markus Egert,**
  Furtwangen University, Germany
- Gut bacterial metabolites as markers and mediators of cardiovascular aging
- **Marcin Ufnal,**
  Medical University of Warsaw, Poland
- Dialogue between the skin and the microbiota: The immune system is under control
- **Chantal Pichon,**
  French National Centre for Scientific Research, France
- Brain-Gut-Microbiota Axis in Alzheimer’s Disease
- **Agata Mielak,**
  Wroclaw Medical University, Poland
- Modulating the microbiota of the hospital environment by probiotic cleaning: impact on infections and antimicrobial resistance
- **Elisabetta Caselli,**
  University of Ferrara, Italy
- Hyalectranum, a new neuroimmune modulator of the microbiota-immune-gut-axis
- **Cristina Girandon,**
  University of Insubria, Italy
- Carcinogenic microbiota of oral cavity
- **Tomasz M. Kargiński,**
  Poznan University of Medical Sciences, Poland
- Intergenerational Transfer of the Atopic-Disease Potential from the Murine Maternal Gut Microbiota Grafted with Human Faecalibacterium Prausnitzii Pathobionts
- **Heenan Stanley Kim,**
  Korea University, Korea
- Microbiota Dysbiosis is Associated with HPV-Induced Cervical Carcinogenesis
- **Wojciech Kuzniarek,**
  Medical University of Lublin, Poland
- Psychotropic Drugs and Microbiota - Important and Little Known Interaction
- **Igor Loniewski,**
  Poznan Medical University, Poland
7th World Congress on Targeting Microbiota
October 10-11, 2019 - Park Inn Hotel, Krakow, Poland

Scientific Agenda

Reminder Key Dates: Submit your abstract for:
Oral Presentation before September 23, 2019
Poster Presentation before September 28, 2019

Day 1 – Wednesday, October 9, 2019

17h00 – 18h30 Registration – Badges & Material delivery at the Hotel.

Day 2 – Thursday, October 10, 2019

7h45 Welcoming & Registration of attendees

8h50 Introduction note by the President of ISM Targeting Microbiota 2019, Prof. Peter Konturek

Session 1: Microbiota 2019: Recent Advances & Challenges

Chairs: Marvin Edeas, Peter Konturek

9h00 Role of Intestinal Microbiota in Intestinal Inflammation with Respect to Stress
Peter Konturek, Teaching Hospital of the University of Jena, Germany

9h20 Metabolic and Metagenomic Consequences of E. coli Infections
Matteo Serino, Inserm and Digestive Health Research Institute, France

9h40 Brain-Gut-Microbiota Axis in Alzheimer’s Disease
Agata Mulak, Wroclaw Medical University, Poland

10h00 Risk for Diabetes and Cardiovascular Diseases in the Qatari population: Can the salivary microbiome predict it?
Souhaila Al Khodor, Sidra Medicine, Qatar

10h20 Diet Type, Antibiotic Intake and Gut Microbiota: A Lesson from a Large Cross-Sectional Study
Tewodros Debebe, BIOMES NGS GmbH, Germany

10h30 Coffee Break, Network & Poster Session

11h15 Biomedical Approach in Autism Spectrum Disorders – The Importance of Assessing Inflammation
Tatjana Mijatovic, R.E.D. Laboratories, Belgium

11h25 MicroRNA in Host-Microbiome Interaction and Probiotics
Elena M Comelli, University of Toronto, Canada

11h45 Microbiota and cancer : between Detection and Prognosis
Romain Villegier, University of Clermont Auvergne, France

12h05 Microbiota Dysbiosis is Associated with HPV-Induced Cervical Carcinogenesis
Wojciech Kwasniewski, Medical University of Lublin, Poland

12h30 Lunch Break, Network & Poster Session
14h00  The Impact of Lactobacillus, Bifidobacterium, E.Coli and Lactoferrin on the Phenomenon of Translocation in the Low-Birth-Weight Preterm Neonates  
Magdalena Strus, Jagiellonian University Medical College, Poland

14h20  Short oral presentations

The Aged Microbiota in Alzheimer's Disease – An Investigation in Model Mice  
Kristina Endres, University Medical Center JGU Mainz, Germany

Strict Anaerobic Bacteria Involvement in Gut-Brain Axis: A Novel Regulator of Pain and Well-Being 
Sandie Gervason, Clermont-Auvergne University, France

Impact of Chronic Social Stress on Gut-Brain Axis in Female C57BL/6 Mice  
Malena dos Santos Guilherme, University Medical Center Mainz, Germany

Altered Abundance of Indicator Species of Intestinal Microbiota of Patients with Recurrent Rhinosinusitis  
Michał Michalik, MML Medical Center, Poland

14h40  Coffee Break, Network & Poster Session

Session 2: Microbiota Metabolites and Metabolome: Challenges & Perspectives

Chair: Marcin Ufnal

16h10  Introduction: Gut Bacterial Metabolites as Markers and Mediators of Cardiovascular Aging  
Marcin Ufnal, Medical University of Warsaw, Poland

16h30  Microbiota and Metabolomics: Effects of Bariatrics Surgery  
Paulina Samczuk, Medical University of Białystok, Poland

16h50  Short oral presentations (7 minutes for presentation + 3 min for questions)

Gut Mycobiota and Fungal Metabolites in Human Homeostasis  
Izabella Maria Mogilnicka, Medical University of Warsaw, Poland

Short Orals presentations related to Session 1 and 2

17h15  Concluding remarks  
Marvin Edeas, Université Paris Descartes, INSERM 1016, France

How do microbiota and metabolites, will affect our classical thinking and make us rethink and redesign our strategies concerning the medicine of tomorrow?

18h15  End of the day

20h00  Targeting Microbiota Dinner
Day 3 – Friday, October 11, 2019

8h25 Opening of the second day

Session 3 - Skin microbiota 2019: From basics to applied cosmetics and skin care

Chair: Chantal Pichon

8h30 General Introduction of the session
Dialogue between the Skin and the Microbiota: The Immune System is Under Control
Chantal Pichon, French National Centre for Scientific Research, France

8h50 Skin-Bacterial Microbiota Communication: Key Role in Cutaneous Homeostasis
Marc G.J. Feuilloley, University of Rouen Normandy, France

9h10 Intergenerational Transfer of the Atopic-Disease Potential from the Murine Maternal Gut Microbiota Grafted with Human Faecalibacterium Prausnitzii Pathobionts
Heenam Stanley Kim, Korea University, Korea

9h30 Intestinal Barrier, Gut Microbiota and Psoriasis
Mariusz Sikora, Medical University of Warsaw, Poland

9h50 Coffee Break, Network & Poster Session

Practical Workshop

10h30 Skin Microbiota and Formulation: Recent Advances and Perspectives
Strategies to Modulate and Affect Skin Microbiota in Health and Diseases?
Florence Abdallah, University Paris-Sud, France

Session 4: Session on Built Environment Microbiome

Chair: Markus Egert

11h30 General Introduction of the session
Special Session on Built Environment Microbiome
Markus Egert, Furtwangen University, Germany

12h00 International Space Station and Hospital Environments: Composition and Function of Microbiomes in Confined Built Environments
Christine Moissl-Eichinger, Medical University Graz, Austria

12h25 Modulating the Microbiota of the Hospital Environment by Probiotic Cleaning: Impact on Infections and Antimicrobial Resistance
Elisabetta Caselli, University of Ferrara, Italy

12h45 Lunch Break, Network & Poster Session

Session 5: Microbiota & medicine of tomorrow:
Development of effective therapeutic strategies to manipulate the gut microbiota

Chairs: Elena M Comelli, Carole Nicco

14h00 Carcinogenic Microbiota of Oral Cavity
Tomasz M. Karpiński, Poznań University of Medical Sciences, Poland

14h20 Gut Microbiota and Graft-versus-host Disease in Patients after Bone Marrow Transplantation: FMT as a prevention or treatment?
Jarosław Bilinski, Medical University of Warsaw, Poland

14h40 Fecal Preservation by Freeze-Drying: Applications and Perspectives
Julie Reygner, Université Paris Descartes, France
15h00 Hyaluronan, A New Neuroimmune Modulator of the Microbiota-Immune-Gut-Axis
Cristina Giaroni, University of Insubria, Italy

15h20 Psychotropic Drugs and Microbiota - Important and little-Known Interaction
Igor Loniewski, Pomeranian Medical University, Poland

15h40 Coffee Break, Network & Poster Session

16:10 Short oral presentation: Submit your innovations

Morphology of Blood Microbiota Accessed by Light and Electron Microscopy
Stefan Panaiotov, National Center of Infectious and Parasitic Diseases, Bulgaria

Comparison of Fecal Microbiota and Selected Parameters Between Healthy and Postpartum Dysgalactia Syndrome in Sows
Yeong-Hsiang Cheng, National I-Lan University, Taiwan

Fermented Milk by Lactobacillus Delbrueckii Cidca133, Carrying the Vaccinal Plasmid Pexu:Hps65 Ammeliorates Intestinal Mucositis in Murine Model
Mariana Martins Drumond, Federal Center for Technological Education of Minas Gerais, Brazil

Short oral presentation: Submit your innovations

17:00 Round Table Discussion: The Scientific Committee will discuss two topics:

1) The future of Microbiota Medicine
2) The future of Microbiota Investments

With the intervention of Dr. Peter Bak, Back Bay Life Science Advisors, USA, who will provide his vision and recommendations: Corporate Development in the Microbe Space: Has Investment Outpaced Science?

17h30 Concluding remarks

Targeting Microbiota 2019 Scientific & Innovation Awards

17h45 End of Targeting Microbiota 2019

SUBMIT YOUR QUESTIONS
Before September 23, 2019 and WIN...

Despite the wealth of data typically presented, many questions of the participants remain unanswered, and for many scientists, even those who have been considered as keynote speakers, there is only limited opportunity to interact with colleagues.

To facilitate the scientific discussion and make the conference more interactive, the scientific committee has decided to include a round table discussions that address hot topics, challenges and pressing questions to various areas of Microbiota medicine and research.

All questions will be answered and the most pertinent and critical questions will be awarded with the free registration at the Next Microbiota 2020.

All participants are invited to participate in these discussions by sending their questions and thoughts before the meeting by the September 23, 2019 to microbiota@microbiota-site.com