International Society of Microbiota

7th World Congress on Targeting Microbiota

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 Metabolomic 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
- **Tue.** Early Registration  
  Sep. 17, 2019
- **Wed.** Short Oral Submission  
  Sep. 23, 2019
- **Sat.** Poster Submission  
  Sep. 28, 2019

### Microbiota 2019 Speakers

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<td>International Space Station and Hospital Environments: Composition and function of microorganisms in confined built environments</td>
<td>Christine Moisl-Eichinger, Medical University Graz, Austria</td>
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<td>Risk for Diabetes and Cardiovascular diseases in the Qatari population: Can the saliva microbiome predict it?</td>
<td>Souhaila Al Khodor, Sitra Medicine, Qatar</td>
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<td>Skin-Bacterial Microbiota Communication: Key Role in Cutaneous Homeostasis</td>
<td>Marc G.J. Feuilloley, University of Rouen Normandy, France</td>
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<td>Microbiota Medicine of tomorrow: How do microbiota and metabolites will affect our classical thinking and make us rethink and redesign our strategies</td>
<td>Marvin Edouard, Universite Paris Descartes, INSERM 1016, France</td>
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<td>Special session on Built Environment Microbiome</td>
<td>Markus Egert, Furtwangen University, Germany</td>
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<td>Gut bacterial metabolites as markers and mediators of cardiovascular aging</td>
<td>Marcin Ufnal, Medical University of Warsaw, Poland</td>
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<td>Dialogue between the skin and the microbiota: The immune system is under control</td>
<td>Chantal Pichon, French National Centre for Scientific Research, France</td>
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<td>Agata Motok, Wroclaw Medical University, Poland</td>
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<td>Elisabetta Caselli, University of Ferrara, Italy</td>
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<td>Hyaluronan, a new neuroimmune modulator of the microbiota-immune-gut-axis</td>
<td>Cristina Gararoni, University of Insubria, Italy</td>
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<td>Carcinogenic microflora of oral cavity</td>
<td>Tomasz M. Karpinski, Poznan University of Medical Sciences, Poland</td>
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<td>Intergenerational Transfer of the Atopic Disease Potential from the Marine Maternal Gut Microbiota Grafted with Human Faecalbacterium Prausnitzii Pathobionts</td>
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<td>Igor Loniecki, Pomorski Medical University, Poland</td>
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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. Laboratones, 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 Villeger, 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 Carcinogenic Microbiota of Oral Cavity
Tomasz M. Karpiński, Poznań University of Medical Sciences, Poland

14h40 Short oral presentations
Setting Standards in Microbiome and Multi-Omics Research to Power Novel Discovery
Heloise Breton, DNA GENOTEK, Canada

Reproducibility of Statistical Methods in Comparative Metagenomics
Vera Odintsova, Knomics LLC, Russia

Immediate Elevation of Gaba in Rat Brain after Feeding with Lactobacillus Rhamnosus JB-1
The Gut-Brain Axis Study of Animal Model of Depressive Disorder
Anna Orzylowska, Medical University of Lublin, Poland

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

15h30 Coffee Break, Network & Poster Session

Session 2: Microbiota Metabolites and Metabolome: Challenges & Perspectives
Chairpersons: Annalis Terranegra, Marcin Ufnal

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

16h30 Microbiota and Metabolome: Recent Advanced and Perspectives
Nicolas Schauer, Biocrates, Austria

16h50 Microbiota and Metabolomics: Effects of Bariatrics Surgery
Paulina Samczuk, Medical University of Białystok, Poland

17h10 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

Impact of Chronic Social Stress in 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
Michal Michalik, MML Medical Center, Poland

17h40 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

Skin-Bacterial Microbiota Communication: A New Element in Cutaneous Neurogenic Inflammation
Marc G.J. Feuilloley, University of Rouen Normandy, France

8h50 Dialogue between the Skin and the Microbiota: The Immune System is Under Control
Chantal Pichon, French National Centre for Scientific Research, 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

14h20 Gut Microbiota and Graft-versus-host Disease in Patients after Bone Marrow Transplantation: FMT as a prevention or treatment?
Jaroslaw 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

Targeting Faecalibacterium Prausnitzii with Prebiotic Xylo-Oligosaccharides Prevents from Non-Alcoholic Fatty Liver Disease (NAFLD)
Satu Pekkala, University of Jyvaskyla, Finland

Importance of Intestinal Microbiota Indicators for Clinical Purposes of Using Targeted Microbiological Therapy
Anna Maria Basiriska, Institute of Microecology, Poland

Early Introduction of Solid Foods: Ingestion Level Matters more than Prebiotics Supplementation for Shaping the Gut Microbiota
Charlotte Paes, INRA, France

Heat Stress-Induced Increase in Inflammatory Cytokines and Gut Microbiota Changes in Pigs
Yadnyavalkya Dattatraya Patil, Lincoln University, New Zealand

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 recommandations: 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