2nd World Congress on Targeting Microbiota
Towards Clinical Revolution

Special Session
Fecal Microbiota Transplantation:
Practical Issues and Regulation

October 16-17, 2014
Institut Pasteur - Paris, France

www.microbiota-site.com
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Targeting Microbiota
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Final Agenda

Day 1 - October 16, 2014

7h50  Welcoming & Registration of Attendees

9h00  Welcome Introduction by Targeting Microbiota 2014 Chair Persons

9h05  Opening of Targeting Microbiota World Congress on behalf of the President of Institut Pasteur, by Prof. Philippe Sansonetti, Institut Pasteur, France

Session 1: Microbiota 2014: State-of-the-Art & Visions

9h10  Evolution, cooperation & conflicts
      Pierre-Henri Gouyon, National Museum of Natural History, France

9h40  Impact of human microbiome research on public health
      Stanislas Dusko Ehrlich, INRA, Metagenopolis, France

10h10  Interactions of segmented bacterium with the host immune system
       Nadine Cerf-Bensoussan, Institut Imagine, France

10h40 Break & Posters Session

11h10  Microbiota and intestinal epithelium: decrypting signals in the crypt
       Philippe Sansonetti, Institut Pasteur, France

Session 2: Mitochondria-Microbiota Crosstalk: The Intriguing Relationship

11h40  Mitochondria-microbiota: the intriguing relationship
       Marvin Edeas, Targeting Mitochondria Task Force Group, France

12h10  Redox signaling mediated by gut microbiota: a mechanism of host-symbiont crosstalk
       Andrew Scott Neish, Emory University School of Medicine, USA

12h40 Lunch Break & Posters Session

14h00  The Enteropathogen Listeria monocytogenes alters host cell mitochondrial dynamics
       Fabrizia Stavru, Institut Pasteur, France

14h30  Novel strategies of mitochondria targeting by gastric pathogen Helicobacter pylori
       Laurent Chatre, Institut Pasteur, France
Session 3: Microbiota, Innovative Methods & Biomarkers: From Predictive to Personalized Medicine

14h40  Metaproteome display: a novel approach for biomarker discovery in inflammatory bowel disease
Jonas Zantow, TU Braunschweig, Germany

Strain specific lactobacilli-mediated promotion of host juvenile growth: innovative technique brings new evidence from strains belonging to several lactobacilli species
Mélanie Mitchell, IGFL, France

A fast and inexpensive flow cytometry-based approach to analyze the commensal microbiota
Jakob Zimmermann, DRFZ Berlin, Germany

Microbiota regulation of fungal infectivity
Melissa Palmieri, University of Perugia, Italy

Gut microbiota are related to parkinson’s disease and clinical phenotype
Filip Scheperjans, Helsinki University Central Hospital, Finland

Microbiota as reservoir for antibiotic resistance
Dmitry Alexeev, RIPCM, Russian Federation

Specific distortions in gut microbiota related to chronic inflammation in response to iron and reactive-oxygen species
Magdalena Strus, Jagiellonian University Medical College, Poland

15h30 Break & Posters Session

16h00  A single host-derived glycan arbitrates cooperation between host and microbe
Julia Schwartzman, University of Wisconsin, USA

Alignment-free analysis of metagenomic data with machine learning: an alternative approach for studying microbiota
Xuegong Zhang, Tsinghua University, China

Use of two NGS approaches for studying the evolution of skin microbiota after application of exogenous compounds
Cyrille Jarrin, Libragen, France

KLAST: A new high-performance sequence similarity search tool for metagenome analysis
Patrick Durand, Korilog, France

OMNiGene•GUT: A Novel Fecal Self-Collection, Stabilization and Transport System for Gut Microbiome Studies
Carlos Merino, DNA Genotek Inc., Canada

Metabiote®: Integrated solution for analyses of bacterial microbiota
Guillaume de Saint Martin, Genoscreen, France

Session 4: The Microbiota Role in Health & Diseases: The Mechanistic

16h45  Targeted modulation of the gut microbiota-host interaction reveals novel mechanisms involved in host response during obesity
Patrice D. Cani, Louvain Drug Research Institute, Brussels, Belgium

17h15  A functional genomics approach to the understanding of gastro-intestinal colonization by the opportunistic fungal pathogen Candida albicans
Christophe d’Enfert, Institut Pasteur, Paris, France
17h45  Gut microbiota modulate lung immunity against mycobacterial infection  
        Chuan-Sheng Lin, Chang Gung University, Taiwan, Republic of China

17h55  Dysbiotic microbiota in liver cirrhosis relates to systemic inflammation  
        Valerio Iebba, University of Rome, Italy

18h05  Posters Session & Networking

19h00  End of First Day

20h30  Dinner between Speakers & Attendees in a French typical Restaurant  
        If you are interested to take part to this dinner, please register online.

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Day 2 - October 17, 2014

Session 5: New Challenges to Prevent & Treat: Metabolic Diseases, Cancer, Neurodegenerative Diseases  
Liver, Kidney, Lung, Skin Diseases & all Inflammation Related Diseases

9h00  Uncultivated bacterial symbionts: a rich resource for drug development  
        Joern Piel, ETH Zürich, Switzerland

9h30  RORgt + cells & symbiotic microbiota: regulation of intestinal immunity  
        Gerard Eberl, Institut Pasteur, France

10h00  The new paradigm of tissue microbiota to intestinal immune defense in metabolic disease  
        Rémy Burcelin, INSERM, France

10h30  Break & Posters Session

11h00  Modulation of the anticancer immune effects of cyclophosphamide by the intestinal microbiota  
        Sophie Viaud, Institut Gustave Roussy, France

11h30  Commensal microbiota as a trigger of spontaneous autoimmune demyelination  
        Gurumoorthy Krishnamoorthy, Max Planck Institute of Neurobiology, Germany

12h00  NOD2-mediated dysbiosis predisposition to transmissible colitis & colorectal cancer  
        Mathias Chamailard, Institut Pasteur, France

12h30  Lunch Break & Posters Session

13h30  The microbiome-to-host communication affecting pregnancy and fetal growth in early postnatal life  
        Sven Pettersson, Karolinska Institute, Solna, Sweden

14h00  Mind-altering microorganisms: the impact of the gut microbiota on brain and behaviour  
        Niall Hyland, University College Cork, Cork, Ireland

14h30  Gut microbiota modulated by Reg3alpha protects against lethal inflammatory bowel disease in  
        mouse model  
        Jamila Faivre, Hôpital Paul Brousse, France

        Gut microbial profile in patients with chronic kidney disease on conservative treatment: is there  
        relationship with inflammation and markers of cardiovascular risk?  
        Denise Mafra, Federal Fluminense University, Brazil
**Inhibition of hepatic alcohol toxicity by correcting intestinal dysbiosis in mice**
Gladys Ferrere, INSERM, France

**Intestinal dysbiosis explains individual differences in the susceptibility to alcoholic liver disease**
Gabriel Perlemuter, AP-HP, Antoine-Béclère University Hospital, France

**Altered gut microbial energy and metabolism in children with non alcoholic fatty liver disease**
Sonia Michail-Ramsy, USC and CHLA, USA

**Early gut colonization with toxin-producing Staphylococcus aureus may protect against the development of eczema**
Forough L. Nowrouzian, Gothenburg University, Sweden

**The microbiota of gallstone patients is enriched with Oscillospira, and further modified by cholecystectomy, without changes in fecal bile acids**
Gophna Uri, Tel Aviv University, Israel

**Molecular mimicry between proteins from gut bacteria and host peptide hormones at the origin of eating disorders**
Sergueï Fetissov, Rouen University, France

**D-Fagomine balances gut Bacteroidales and reduces weight gain in rats fed a high-fat high-sucrose diet**
Sara Ramos-Romero, Institute for Advanced Chemistry of Catalonia, Spanish Research Council (CSIC), Spain

**Non digestible oligosaccharides modulate the gut microbiota to control the development of leukemia and associated cachexia**
Laure Bindels, Université Catholique de Louvain, Belgium

15h35 Break & Posters Session

16h05 **Polyphenols and a lectin-limited diet promote weight loss by altering the human gut microbiome**
Steven Robert Gundry, The Center for Restorative Medicine, USA

**Effect of probiotics on gut microbiota and environmental toxins**
Gregor Reid, Lawson Health Research Institute, Canada

**The Microbiota of the Long Living Naked Mole Rat**
Tewodros Debebe, Universitity of Leipzig, Germany

Special Session on Fecal Microbiota Transplantation: Practical Issues & Regulation

The aim of this special session is to discuss the last advances, practical issues, limits of the intestinal microbiota and Fecal microbiota transplantation in various pathologies.

16h30 **Variation in bacterial community stability after fecal microbiota transplantation**
David Berry, University of Vienna, Austria

17h00 **Jurisdictional hurdles and possibilities for companies providing faecal transplant services**
Andreas Schwiertz, SymbioVaccin, Germany

**Alterations of fecal microbiota and metabolic landscape in response to oral or intravenous iron replacement therapy in patients with inflammatory bowel diseases**
Thomas Clavel, Technische Universität München, Germany

**Transplantation of genetically and diet-induced obese gut microbiota in conventional mice blunts high-fat diet-induced glucose homeostasis imbalance**
Matteo Serino, INSERM UMR1048-I2MC, France
Fecal microbiota transplantation for recurrent clostridium difficile infection in a child via a percutaneous gastrojejunostomy
Xavier Stephenne, Université Catholique de Louvain-Cliniques universitaires St Luc, Belgium

Fecal microbiota transplantation: A sui generis biological drug, not a tissue
Pierre Bourlioux, Université Paris Descartes, France

17h45 Discussion & Conclusion of Targeting Microbiota 2014
In presence of Targeting Microbiota organizers, speakers & scientific committee members

Targeting Microbiota 2014 Awards:
✓ Scientific Contribution Award 2014
✓ Young Scientific Contribution for Oral and Poster Contribution

Conclusion Remarks by Marvin Edeas & Miria Ricchetti

18h15 End of Targeting Microbiota 2014

For all request concerning demonstrations, exhibition and general information, please contact:

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