MICROBIOME
A NEW REVOLUTION FOR PERSONALIZED MEDICINE IN CHRONIC DISEASES?

October 19-20, 2017
16, rue Bonaparte
75006 PARIS
Opening session (9am - 9:15am)
Pr Claude JAFFIOL (President of French National Academy of Medicine) and Dominique RICHARD-LENOBLE (InterAcademy Partnership)

PART 1: PRESENT SITUATION (9.15 am -1pm)
Chairwoman: Lanjuan LI

9.15 The scientific news of microbiome constitution
Speakers: Remy BURCELIN and Joël DORÉ
- Remy BURCELIN - Building the microbiome: before, during the birth and the first years of a baby
- Joël DORÉ - Evolution during the life: from teenagers to elder people

10.15 The scientific news on microbiome: modulating its composition in chronic diseases
Speakers: Karine CLÉMENT, Nathalie DELZENNE and Liping ZHAO
- Nathalie DELZENNE - Dietary management of gut barrier function: a need for biomarkers in the development of therapeutic tools
- Liping ZHAO - Fundation species and guilds: ecological understanding of gut microbiota in obesity and type 2 diabetes
- Karine CLEMENT - Acting on microbiome in cardiometabolic diseases: for who, on what and when?

11.15 Coffee break

11.30 Initiatives
Speakers: Tim SPECTOR, Lita PROCTOR, Yolanda SANZ, James VERSALOVIC and Lanjuan LI
- Tim SPECTOR - American Gut, British Gut and Map my gut
- Lita PROCTOR - Human Microbiome Project - USA
- Yolanda SANZ - My New Gut - EU
- James VERSALOVIC - International Human Microbiome Consortium (IHMC)
- Lanjuan LI - Chinese projects

Buffet (1pm - 2pm)
PART 2: FUTURE PROSPECTS (2pm - 6.30pm)

Chairwoman: Lita PROCTOR

2.00  Personalized medicine in metabolic diseases as an example
Panel experts of roundtable: David BJORKMAN, Karine CLÉMENT, Joël DORÉ, Marvin EDEAS and Lita PROCTOR

Moderator: Patrice DEBRE

Brief presentation of each participant on the 2 topics before discussion
- Signature, diagnostic and interventions on microbiome and gut permeability: probiotics, prebiotics, symbiotics, food supplements, drugs
- Microbiome and permeability manipulations: a better medical care and decrease cost of chronic diseases?

3.30  Coffee break

3.45  Harmonization of protocols, animal models, human clinical trials and bioinformatic
Panel experts of roundtable: Isabelle de CRÉMOUX, Thomas CUENI, Christine MRINI, James VERSALOVIC and Jeroen RAES

Moderator: Fay BETSOU

Brief presentation in each sector of: J.Versalovic R&D, J.Roes BioT.Cueni Pharmaceutical industry, C.MRini Food and Medical Nutrition, I. de Crémoux Finance investor
- Laks of harmonization and problems
- Proposed solutions

5.00  Harmonization of regulations
Panel experts of roundtable: Thomas CUENI, Alexandre MÉRIEUX, Christine MRINI and Daniel TOMÉ

Moderator: Emmanuelle VOISIN

Presentation of regulations in drugs LBP by EMA and FDA representatives - claims by EFSA
T.CUENI - A.MERIEUX Pharmaceutical Industry, C.MRINI Food and Medical Nutrition
- Laks of harmonization and problems
- Proposed solutions
- Discussion on the regulations « Clinical trials », registration, claims, marketing

6.15  Conclusions
Synthesis: Jacques BRINGER (Scientific Board of Organization)
Conclusion: Claude JAFFIOL (President of the French National Academy of Medicine)
The workshop will be held under the auspices of InterAcademy Partnership (IAP). It will bring together the “Scientific board of organization”, the representatives of the Belgian Royal Academy of Medicine, the Chinese Academy of Engineering, the German National Academy of Sciences Leopoldina, the Royal Academy of Medicine UK, the US National Academy of Medicine, the International Society of Microbiota and the International Human Microbiome Consortium.

The partners will constitute the working groups, design and plan the recommendations for scientists, healthcare research workers and the regulatory authorities.

4 main themes will be on the agenda:
- Assessment of the need for more personalized patient management
- Methodological harmonization of protocols, sequencing techniques and their analysis
- Harmonization of both research authorizations and the regulatory registration
- Plans and finance to diffuse the recommendations by the diverse academies and Interacademic Partnership
SPEAKERS

Fay BETSOU (IBBL - Luxembourg)
David BJORKMAN (President of World Gastroenterology Organization - US)
Jacques BRINGER (University of Montpellier - France)
Rémy BURCELIN (INSERM Toulouse - France)
Karine CLÉMENT (ICAN Paris - France)
Isabelle de CRÉMOUX (Seventure Partner - France)
Thomas CUENI (Director general of International Federation of Pharmaceutical Manufacturers)
Patrice DEBRÉ (Professor Hôpital Pitié-Salpêtrière ANM Member - France)
Nathalie DELZENNE (University of Louvain - Belgium)
Joëlle DORÉ (INRA Jouy-en-Josas - France)
Marvin EDEAS (Chairman of scientific Committee of International Society of Microbiota ISM)
Dominique RICHARD-LENOBLE (IAP-ANM France)
Lanjuan LI (Zhejiang University - Hangzhou - China IHMC)
Alexandre MÉRIEUX (Mérieux Institute - France)
Isabelle MOULON (EMA London Stakeholder and Communication division - UK)
Christine MRINI (Director of R&D Medical Nutrition Danone - France)
Lita PROCTOR (National Human Genome Research Institute NIH - USA)
Jeroen RAES (Ghent University - Belgium)
Yolanda SANZ (University of Valencia - Spain EFSA)
Tim SPECTOR (King College UK)
Daniel TOMÉ (AgroParisTech - France EFSA)
Emmanuelle VOISIN (Voisin consulting - Paris / Boston)
James VERSALOVIC (University of Huston - USA International Human Microbiome Consortium)
Liping ZHAO (Jiao Tong University Shanghai - China)
Scientific board of organization
Jacques BRINGER (University of Montpellier - France / ANM member) President
Patrice DEBRE (Hospital Pitié-Salpêtrière - France / ANM member) Vice President
Karine CLÉMENT (ICAN Paris - France)
Rémy BURCELIN (INSERM Toulouse - France)
Nathalie DELZENNE (University of Louvain - Belgium)
Joël DORÉ (INRA Jouy-en-Josas - France)

CONTACT & INFORMATION
French National Academy of Medicine
Mrs Nicole PRIOLLAUD
+33 6 09 48 50 38
nicole.priollaud@wanadoo.fr

APRC
Mr Claude VINCENT
+33 6 13 72 33 69
claude.vincent@aprcmicrobiome.org

Scientific sponsor

[Images of logos for International Human Microbiome Consortium and International Society of Microbiota Transplantation Consortium]
Organisation of the Academic Colloquium
APRC: Claude VINCENT (President)

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