



WORLD ACADEMIC COLLOQUIUM PARIS 2017

MICROBIOME

A NEW REVOLUTION FOR PERSONALIZED MEDICINE
IN CHRONIC DISEASES?

October 19, 2017

16, rue Bonaparte
75006 PARIS

International COLLOQUIUM
organized by

With the support of the World
InterAcademy Partnership



PROGRAM

THURSDAY OCTOBER 19, 2017

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 am **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 am **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 - Foundation species and guilds: ecological understanding of gut microbiota in obesity and type 2 diabetes
- Karine CLÉMENT - Acting on microbiome in cardiometabolic diseases: for who, on what and when?

11.15 am **Coffee break**

11.30 am **Initiatives**

Speakers: Tim SPECTOR, Lita PROCTOR, Nathalie DELZENNE, James VERSALOVIC and Lanjuan LI

- Tim SPECTOR - American Gut, British Gut and Map my gut
- Lita PROCTOR - Human Microbiome Project - USA
- Nathalie DELZENNE - My New Gut - EU
- James VERSALOVIC - International Human Microbiome Consortium (IHMC)
- Lanjuan LI - Chinese projects

Buffet (1pm - 2pm)

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MICROBIOME AND GUT PERMEABILITY

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

Chairwoman: Lita PROCTOR

2.00 pm Initiatives

Speakers: David BJORKMAN, Joël DORÉ, Jeroen RAES

- Jeroen RAES - Belgian Project -
- Joël DORÉ - French projects -
- David BJORKMAN - Role of the gastroenterologist -

2.45 pm 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 DEBRÉ

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?

4.15 pm Coffee break

4.30 pm 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 Bioinformatic, T.Cueni Pharmaceutical industry, C.MRini Food and Medical Nutrition, I. de Crémoux Finance investor

- Laks of harmonization and problems
- Proposed solutions

5.45 pm Harmonization of regulations

Panel experts of roundtable: Magali CORDAILLAT-SIMONS, Thomas CUENI, Lanjuan LI, Isabelle MOULON, Christine MRINI and Daniel TOMÉ

Moderator: Emmanuelle VOISIN

Presentation of regulations in drugs LBP by EMA and FDA representatives - probiotics claims by EFSA

T.CUENI Pharmaceutical Industry, M. CORDAILLAT-SIMONS Industrial Association, C.MRINI Food and Medical Nutrition

- Laks of harmonization and problems
- Proposed solutions
- Discussion on the regulations « Clinical trials », registration, claims, marketing

7.15 pm Conclusions

Synthesis: Jacques BRINGER (Scientific Board of Organization) and Patrice DEBRÉ (Scientific Board of Organization)

The purpose of the colloquium is to harmonize research procedures and regulatory framework in the field of microbiome.

On the basis of the colloquium, a task force will be established on Friday October 20 to design and plan the recommendations for scientists, healthcare research workers and the regulatory authorities. 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 US National Academy of Medicine, the International Society of Microbiota, the International Human Microbiome Consortium and the Human Microbiome Project.

3 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



Académie
Nationale
de
Médecine

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)
Magali CORDAILLAT-SIMONS (PRI - 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)
Joël DORÉ (INRA Jouy-en-Josas - France)
Marvin EDEAS (Chairman of scientific Committee of International Society of Microbiota ISM)
Lanjuan LI (Zhejiang University - Hangzhou - China IHMC)
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)
Dominique RICHARD-LENOBLE (IAP-ANM France)
Tim SPECTOR (King College UK)
Daniel TOMÉ (AgroParisTech - France EFSA)
James VERSALOVIC (University of Huston - USA International Human Microbiome Consortium)
Emmanuelle VOISIN (Voisin consulting - Paris / Boston)
Liping ZHAO (Jiao Tong University Shanghai, Rutgers University - China)

SCIENTIFIC BOARD OF ORGANIZATION

Jacques BRINGER (University of Montpellier - France / ANM member) President
Rémy BURCELIN (INSERM Toulouse - France)
Karine CLÉMENT (ICAN Paris - France)
Patrice DEBRÉ (Hospital Pitié-Salpêtrière - France / ANM member) Vice President
Nathalie DELZENNE (University of Louvain - Belgium)
Joël DORÉ (INRA Jouy-en-Josas - France)

Scientific sponsor



Organization of the Academic Colloquium

APRC: Claude VINCENT (President)



The APRC has been supported for this organization by

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REGISTRATION & INFORMATION

<https://www.aprcmicrobiome.org/registration>

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