

The microbiome in respiratory medicine

June, 2nd 2016
WORKSHOP
ROOM MARIE CURIE
(attendance by invitation)

June, 3rd 2016
SYMPOSIUM
AUDITORI
(attendance by registration)

Barcelona Biomedical Research Park (PRBB)
c/Aiguader 88, Barcelona

Main Partners:

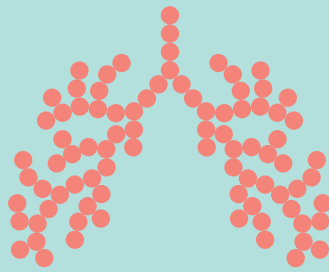


With the collaboration of:



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The microbiome in respiratory medicine

Aims

To present and discuss the most recent findings on the respiratory microbiome in health and disease.
To review current cutting-edge research in this area.
To identify priorities and gaps in the field.
To discuss future implications for patient care and health systems.

Audience

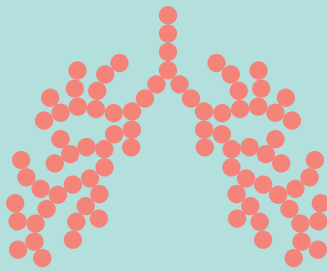
Health-related professionals interested in the topic of the human microbiome and respiratory diseases. Chest physicians, microbiologists, specialists in infectious diseases, epidemiologists, health care professionals, biologists, bioinformatics, otolaryngologists, basic investigators, research nurses and physiotherapists.

Registration details

Registration can be done via the symposium web page www.brn.cat/microbiome2016

Standard fee is 80 €

Discounts available for students, predoctorals and resident doctors. For further details, please contact us at info@brn.cat



June, 2nd 2016
WORKSHOP
ROOM MARIE CURIE

Certainties and uncertainties in the respiratory microbiome

14:00h

Welcome and introduction

Welcome, Goals and Round Presentations.

Organizing committee.

Introduction:

The respiratory microbiome: a new frontier in medicine.

Eduard Monsó, Sabadell, Spain.

14:30h

Block 1: Bioinformatic challenges

Bioinformatic challenges:

16S rRNA analyses.

Vicente Pérez Brocal, Valencia, Spain.

Sala La Lengua:

Study of human mouth microbiome as a large citizen science project.

Julia Ponomarenko, Barcelona, Spain.

General discussion.

15:15h

Block 2: Respiratory microbiome

The Promises and Challenges of the Study of the Lung Microbiome.

Gary Huffnagle, Ann Arbor, USA.

Microbiome in COPD:

Pitfalls and Progress.

Sanjay Sethi, Buffalo, USA.

Microbial dysbiosis in bronchiectasis and cystic fibrosis.

James Chalmers, Dundee, UK.

Respiratory microbiome in IPF:

Pathogenesis, Progression and Exacerbations.

Philip Molyneaux, London, UK.

Plasticity of the pulmonary microbiota over the spectrum of inflammation to immunosuppression.

Eric Bernasconi, Lausanne, Switzerland.

17:00h

Coffee Break

17:30h

Block 3: Lessons from other human systems

Meta-omics used to study the gut microbiota: from the bench to the computer.

Chaysavanh Manichanh, Barcelona, Spain.

The gut microbiome in HIV infection.

Roger Paredes, Barcelona, Spain.

General discussion.

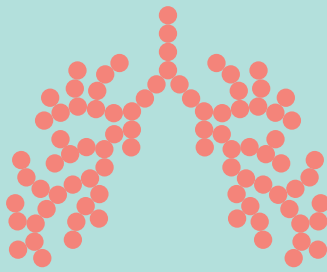
18:15h

Round discussion: Specific challenges on lung microbiome research

Eduard Monsó, Sabadell, Spain

19:15h

Closing Remarks



June, 3rd 2016
SYMPOSIUM
AUDITORI

The microbiome in respiratory medicine

8:30h

Welcome and introduction

Welcome to the Symposium.
*Jordi Dorca, L'Hospitalet de Llobregat,
Spain.*

**The respiratory microbiome:
a new frontier in medicine.**
Eduard Monsó, Sabadell, Spain.

9:00h

**Block 1: Understanding
the microbiome**

Chairs: Oriol Sibila, Pilar Francino

**Understanding the microbiome: How
can we determine/analyse it? Technical
issues.**
Vicente Pérez Brocal, Valencia, Spain.

Sala La Lengua:

**Study of human mouth microbiome
as a large citizen science project.**
Julia Ponomarenko, Barcelona, Spain.

10:00h

**Block 2: Lung microbiome:
where we are? Airway diseases**

*Chairs: Rosa Faner,
Marian Garcia-Núñez*

**The Dynamics of the Lung Microbiome
During Health and Disease.**
Gary Huffnagle, Ann Arbor, USA.

**Microbiome in COPD:
Pitfalls and Progress.**
Sanjay Sethi, Buffalo, USA.

**Microbial dysbiosis in bronchiectasis
and cystic fibrosis.**
James Chalmers, Dundee, UK.

11:30h

Coffee Break

12:00h

**Block 3: Lung microbiome:
where we are? Parenchymal diseases**
Chairs: Julia Ponomarenko, Jordi Dorca

**Respiratory microbiome in IPF:
Pathogenesis, Progression
and Exacerbations.**
Philip Molyneaux, London, UK.

**Host-microbe interplay sets the lower
airway microenvironment in lung
transplantation.**
Eric Bernasconi, Lausanne, Switzerland.

13:00h

**Block 4: Lessons from other
microbiomes**

*Chairs: Vicente Pérez Brocal,
Eduard Monsó.*

**Lesson from the human gut
microbiome.**
*Chaysavanh Manichanh, Barcelona,
Spain.*

The gut microbiome in HIV infection.
Roger Paredes, Barcelona, Spain.

14:00h

**General discussion,
wrap-up and next steps.**

Jordi Dorca, Eduard Monsó