

# 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:

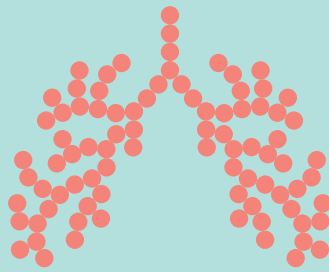


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# The microbiome in respiratory medicine

## 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.

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## 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.

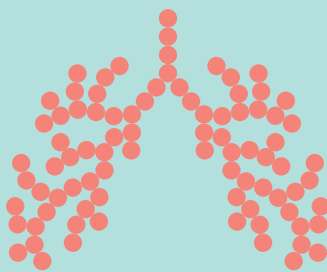
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## Registration details

Registration can be done via the symposium web page [www.brn.cat/microbiome2016](http://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](mailto: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.

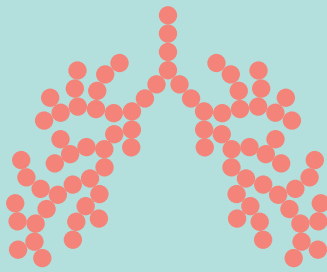
**18:15h**

## Round discussion: Specific challenges on lung microbiome research

*Eduard Monsó, Sabadell, Spain*

**19:15h**

## Closing Remarks



June, 3rd 2016  
**SYMPOSIUM**  
AUDITORI

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# 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*