

# THE BARCELONA DEBATES ON HUMAN MICROBIOME 2017

FROM MICROBES TO MEDICINES

**Thursday, June , 29<sup>th</sup>, 2017**

PRELIMINARY PROGRAM

COSMOCAIXA BARCELONA · C/ISAAC NEWTON, 26

**8:30** Welcome (authorities)

**9:00** **SESSION 1: HEALTHY EATING FOR HEALTHY AGING**

Chairs: José Manuel Fernández-Real, Universitat de Girona, Girona, Spain

**9:00** The microbiome in human aging

Ian B. Jeffery, University College Cork, Cork, Ireland

**9:30** Eating well to age well: Towards personalised diets to improve human health

Joel Doré, INRA, Paris - France

**10:00** Discussion

**10:30** Coffee break

**11:00** **SESSION 2: DRUG – MICROBE INTERACTIONS**

Chairs: José Moltó, Fundació Lluita contra la SIDA, Hospital Universitari Germans Trias I Pujol, Badalona, Spain.

**11:00** Extending the resolution of human gut microbiomics: drug-bug interactions

Peer Bork, EMBL, Heidelberg, Germany

**11:30** Drug - microbial interactions: Implications for human health

Nichole Klatt, University of Washington, Seattle, USA

**12:00** Discussion

**12:30** Lunch & Poster viewing

COORGANIZED BY:

**IrsiCaixa**  
Institut de Recerca de la Sida

WITH THE COLLABORATION OF:

Vall d'Hebron  
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**13:30 SESSION 3: THE MICROBIOME IN INFECTIOUS DISEASES**

Chairs: **Daria Hazuda**, MSD, USA

**13:30** Longitudinal microbiota changes following acute HIV infection

**Roger Paredes**, irsiCaixa AIDS Research Institute, Badalona, Catalonia, Spain

**14:00** The interplay between the human mycobiome and bacteriome.

**Mahmoud Ghannoum**, Center for Medical Mycology at Case Western Reserve University, USA

**14:30** Discussion

**15:00 SESSION 4: DIGESTIVE DISEASES**

Chairs: **Chaysavanh Manichanh**, VHIR, Barcelona, Spain.

**15:00** Mechanisms of inflammatory bowel disease

**Harry Sokol**, Hôpital Saint-Antoine, Paris

**15:30** The interplay between insulin resistance and fatty liver disease

**José Manuel Fernández-Real**, Hospital of Girona 'Dr Josep Trueta', Girona, Spain.

**16:00** Discussion

**16:30** Adjourn

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**9:00 SESSION 5: BREAKFAST WITH THE EXPERTS**

Experts: **Dusko Ehrlich, Joel Doré, and Francisco Guarner**

*Oral presentation of the 3 best communications*

*5-minute presentation + 5-minute discussion each*

**9:30 SESSION 6: GETTING THE BIG PICTURE: FROM CITIZEN SCIENCE TO SYSTEMS BIOLOGY**

Chairs: **Marc Noguera-Julian & Rosina Malagrida, irsiCaixa, Badalona, Spain**

**9:30** The oral microbiome in the "Stick out your tongue" citizen's science project  
**Toni Gabaldón, CRG, Barcelona - Spain**

**10:00** The power of data integration: systems biology in microbiome studies  
**Elhanan Borenstein, University of Washington, USA**

**10:30** Discussion

**11:00** Coffee break

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**11:30 SESSION 7: THE GUT-BRAIN AXIS**

Chairs: Agustín Ruiz, Fundació ACE, Barcelona, Spain.

**11:30** Healthy guts & healthy brains: deciphering the gut-brain axis.

Emeran Mayer, David Geffen School of Medicine at UCLA, Los Angeles, USA

**12:00** Parkinson's disease and the microbiome

Filip Scheperjans, Helsinki University Central Hospital, Helsinki – Finland

**12:30** Discussion**13:00** Lunch**14:00 SPECIAL LECTURE: THE HUMAN MICROBIOME IN MEDICINE**

Dusko Erlich, King's College, London

**14:30 SESSION 8: CANCER**

Chairs: Núria Malats, CNIO, Madrid, Spain &amp; Malu Calle, Uvic-UCC, Spain

**14:30** Gut microbiota and colon cancer: the carbohydrate link

Laurence Zitvogel, Institut Gustave Roussy, Paris

**15:00** Bacterial consortia drugs for the treatment of cancer and cancer complications

Bernat Ollé, Vedanta Biosciences, Boston, USA

**15:30** Discussion**16:00 Meeting Closure:** Francisco Guarner, VHIR, Barcelona

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