

**B-DEBATE**

International Center  
for Scientific Debate  
BARCELONA



# THE BARCELONA DEBATES ON THE HUMAN MICROBIOME

FROM MICROBES TO MEDICINES

**Thursday, June 30<sup>th</sup>, 2016**

PROGRAM

COSMOCAIXA BARCELONA . C/ISAAC NEWTON, 26

9:00 **Welcome**

9:30 **SESSION 1: THE MICROBIOME IN CHILDHOOD**

Chairs: **Eduard Monsó**, Hospital Parc Taulí, Barcelona, Spain

**Elena Carreras**, Hospital Universitari Vall d'Hebron, Barcelona, Spain

9:30 **The Microbiome Before Birth**

**Kjersti M. Aagaard**, Baylor College of Medicine in Houston, Texas, USA

10:00 **Asthma and the Infant Microbiome**

**Stuart Turvey**, University of British Columbia, Vancouver, Canada

10:30 **Discussion**

11:00 **Coffee break**

11:30 **SESSION 2: CANCER**

Chairs: **Núria Malats**, CNIO, Madrid, Spain

11:30 **The Microbiome in Cancer Immunology**

**Laurence Zitvogel**, Institut Gustave Roussy, Paris, France

12:00 **Cancer, Diet and Microbiome**

**Rashmi Sinha**, National Cancer Institute, Washington, USA

12:30 **Discussion**

13:00 **Lunch**

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**14:00 SESSION 3: VIRUSES AND THE VIROME**

Chairs: **Bonaventura Clotet**, IrsiCaixa Aids Research Institute, Badalona, Spain  
**Daria Hazuda**, Merck, Philadelphia, USA

**14:00 HIV and the Gut Microbiome**

**Roger Paredes**, IrsiCaixa Aids Research Institute, Badalona, Spain

**14:30 The Intestinal Human Virome**

**Rick Bushman**, Perelman School of Medicine, Philadelphia, USA

**15:00 Discussion**

**15:30 Coffee break**

**16:00 SESSION 4: GUT BACTERIA: ANTIMICROBIAL RESISTANCE AND MORTALITY**

Chairs: **David Valcárcel**, Hospital Universitari Vall d'Hebron, Barcelona, Spain

**16:00 Antimicrobial Resistance and the Microbiome**

**Silvia Caballero**, Memorial Sloan Kettering Cancer Center, New York, USA

**16:30 Gut Bacterial Diversity and Mortality after Stem Cell Transplantation**

**Eric G. Pamer**, Memorial Sloan Kettering Cancer Center, New York, USA

**17:00 Discussion**

**17:30 Poster Presentation (Cheese & Wine)**

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**8:30 SESSION 5: BREAKFAST WITH THE EXPERTS**

**8:30 Oral Presentation of the 3 best posters** (3 posters and 10 minutes presentation each)  
Chair: **Francisco Guarner**, Vall d'Hebron Research Institute, Barcelona, Spain

**9:00 Feedback from the Experts & Open Discussion**

**Experts**

**Francisco Guarner**, Vall d'Hebron Research Institute, Barcelona, Spain

**Gary Wu**, Perelman School of Medicine, Philadelphia, USA

**Peer Bork**, European Molecular Biology Laboratory (EMBL), Heidelberg, Germany

**S. Dusko Ehrlich**, Kings College London, London, United Kingdom

**9:30 SESSION 6: HOST-MICROBES INTERACTIONS**

Chairs: **Toni Gabaldón**, Center for Genomic Regulation, Barcelona, Spain

**Marc Noguera**, IrsiCaixa Aids Research Institute, Badalona, Spain

**9:30 Strain-level microbial epidemiology and population genomics from shotgun metagenomics**

**Nicola Segata**, University of Trento, Trento, Italy

**10:00 Perturbing the human gut microbiome: Impact of drugs and fecal microbiota transplantation**

**Peer Bork**, European Molecular Biology Laboratory (EMBL), Heidelberg, Germany

**10:30 Discussion**

**11:00 Poster Presentation & Coffee break**

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**11:30 SESSION 7: WHAT ARE THE GUT MICROBES DOING?**

Chairs: **M. Luz Calle**, Universitat de Vic, Vic, Spain

**11:30 Metabolic activity in response to Food in the Human Gut**

**Fernando Azpiroz**, Vall d'Hebron Research Institute, Barcelona, Spain

**12:00 Metatranscriptomics in the Gut**

**Chaysavanh Manichanh**, Vall d'Hebron Research Institute, Barcelona, Spain

**12:30 Discussion**

**13:00 Lunch**

**14:00 SESSION 8: DIET AND METABOLIC DISORDERS**

Chairs: **Ramon Estruch**, Hospital Clinic de Barcelona, Barcelona, Spain

**14:00 Inflammation, Antibiotics, and Diet as Environmental Stressors of the Gut Microbiome**

**Gary Wu**, Perelman School of Medicine, Philadelphia, USA

**14:30 Strain level dissection of Gut Microbiome contribution to human Metabolic Disorders**

**Liping Zhao**, Shanghai Jiao Tong University, Shanghai, China

**15:00 Discussion**

**15:30 Coffee break**

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**16:00 SESSION 9: FMT AND PROBIOTICS**

Chairs: **Jordi Guardiola**, Hospital Universitari de Bellvitge, Barcelona Spain  
**German Sorlano**, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain

**16:30 Mining new probiotics from FMT studies**

**Max Nieuwdorp**, AMC Amsterdam, The Netherlands

**16:30 Developing Medicines from the Human Microbiome**

**Bernat Ollé**, Vedanta Biosciences, Boston, USA

**17:00 Discussion**

**17:30 CLOSING LECTURE**

Chair: **Francisco Guarner**, Vall d'Hebron Research Institute, Barcelona, Spain

**Insights into the Future of Microbiota Studies in Medicine**

**S. Dusko Ehrlich**, Kings College London, London, UK

**18:00 Adjourn**

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