

THE BARCELONA DEBATES ON HUMAN MICROBIOME 2017

FROM MICROBES TO MEDICINES

Thursday, June , 29th, 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)

9:00 The microbiome in human aging

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

9:30 Eating well to age well: personalised diets for a healthy man-microbes symbiosis

Joel Doré (INRA, Paris – France)

10:00 Discussion

10:30 Coffee break

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

Chairs: **José Moltó** (Fight against AIDS Foundation, Barcelona)

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

Peer Bork (EMBL, Heidelberg, Germany)

11:30 Vaginal bacteria modify HIV tenofovir microbicide efficacy in African women

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
Institut de Recerca
VHIR

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Centro Nacional
de Investigaciones
Oncológicas

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13:30 SESSION 3: THE MICROBIOME IN INFECTIOUS DISEASES

Chairs: **Daria Hazuda** (Merck, USA)

13:30 Longitudinal microbiota changes following acute HIV infection
Roger Paredes (irsiCaixa AIDS Research Institute, Barcelona)

14:00 Bacteriome and Mycobiome Interactions Underscore Microbial Dysbiosis in Familial Crohn's Disease
Mahmoud Ghannoum (Center for Medical Mycology at Case Western Reserve University, USA)

14:30 Discussion

15:00 SESSION 4: DIGESTIVE DISEASES

Chairs: **Chaysavanh Manichanh** (Vall d'Hebron Research Institute, Barcelona)

15:00 Dangerous liaisons between gene and microbiota: the example of Card9 in IBD
Harry Sokol (Hôpital Saint-Antoine, Paris, France)

15:30 The interplay between insulin resistance and fatty liver disease
José Manuel Fernández-Real (University of Girona, Girona)

16:00 Discussion

16:30 Adjourn

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9:00 SESSION 5: BREAKFAST WITH THE EXPERTS

Experts: **Dusko Ehrlich** (Kings College London, UK)
Joel Doré (INRA, France)
Francisco Guarner (Vall d'Hebron Research Institute, Barcelona)
Oral presentation of the 3 best communications

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

Chairs: **Marc Noguera-Julian** (IrsiCaixa, Barcelona)
Rosina Malagrida (IrsiCaixa, Barcelona)

9:30 Stick out your tongue!: citizen-science to unveil the oral microbiome

Toni Gabaldón (Center for Genomic Regulation, Barcelona)

10:00 Systems biology and model-based multi-omic analysis of the human microbiome

Elhanan Borenstein (University of Washington, USA)

10:30 Discussion

11:00 Coffee break

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11:30 SESSION 7: GUT-BRAIN AXISChairs: **Agustín Ruiz** (Fundació ACE, Barcelona)**11:30** The Brain Gut Microbiome System- Science and Potential Clinical Implications**Emeran Mayer** (David Geffen School of Medicine at UCLA, Los Angeles, USA)**12:00** Gut Microbiota in Parkinson's Disease**Filip Scheperjans** (Helsinki University 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)**Malu Calle**, (Uvic-UCC, Spain)**14:30** Gut microbiota and colon cancer: the carbohydrate link**Laurence Zitvogel** (Institut Gustave Roussy, Paris)**15:00** Rational development of defined bacterial consortia drugs for cancer and cancer complications**Bernat Ollé** (Vedanta Biosciences, Boston, USA)**15:30** Discussion**16:00 Meeting Closure:** Francisco Guarner (Vall d'Hebron Research Institute, Barcelona)

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