

THE HUMAN MICROBIOME PRESENT STATUS AND FUTURE PROSPECTS

PROGRAM

COSMOCAIXA. C/ ISAAC NEWTON, 26. BARCELONA

Thursday, July, 2nd, 2015

- 9:00 **Welcome**
- 9:30 **SESSION 1: WHAT IS A "HEALTHY HUMAN MICROBIOME"?**
Chairs: **Francisco Guarner**, Vall d'Hebron Research Institute, Barcelona, Spain
Bonaventura Clotet, IrsiCaixa AIDS Research Institute, Badalona, Spain
- 9:30 **Biogeography of the Ecosystems of the Healthy Human Body**
George Weinstock, The Jackson Laboratory for Genomic Medicine, Maine, USA
- 10:00 **Human Gut Microbiome in Health and Disease**
Stanislav Dusko Ehrlich, Kings College, London, UK
- 10:30 **Open Debate**
- 11:00 **Coffee Break**
- 11:30 **SESSION 2: EARLY MICROBIOME ACQUISITION: IMPACT ON ADULT HEALTH**
Chairs: **Fernando Azpiroz**, Vall d'Hebron Research Institute, Barcelona, Spain
Luís Serrano, Center for Genomic Regulation, Barcelona, Spain
- 11:30 **A Milk-Oriented Microbiota (MOM) in Infants: How a Good MOM Protects Infants**
David Mills, University of California, Davis, USA
- 12:00 **The Gut Microbiota in Mother and Infant**
M. Pilar Francino, Centre for Public Health Research (CSISP), Valencia, Spain
- 12:30 **Open Debate**
- 13:00 **Lunch**

B-DEBATE IS AN INITIATIVE OF:



WITH THE COLLABORATION OF:

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14:00 SESSION 3: TOOLS AND MODELS FOR MICROBIOME ANALYSIS

Chairs: **M. Luz Calle**, Universitat de Vic – Universitat Central de Catalunya, Spain
Chaysavanh Manichanh, Vall d'Hebron Research Institute, Barcelona, Spain

14:00 Mining Novel Taxa in the Human Gut Microbiota: Metagenomic Species

Henrik Bjørn Nielsen, Center for Biological Sequence Analysis, Technical University, Lyngby, Denmark

14:30 The Human Gut Microbiome: Variation, Stratification and Associations to Disease

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

15:00 Open Debate

15:30 Coffee Break

16:00 SESSION 4: MICROBIOME AND DISEASE (I)

Chairs: **Toni Gabaldón**, Center for Genomic Regulation, Barcelona, Spain
Andrés Moya, Universitat de Valencia, Valencia, Spain

16:00 Gut Microbiome and Obesity

Karine Clément, Institute of Cardiometabolism and Nutrition, Paris, France

16:30 The Gut Microbiota in Inflammatory Bowel Diseases

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

17:00 Open Debate

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Friday, July, 3rd, 2015

9:30 SESSION 5: MICROBIOME AND DISEASE (II)

Chair: **Núria Malats**, Spanish National Cancer Research Center(CNIO), Madrid, Spain
Peer Bork, European Molecular Biology Laboratory (EMBL), Heidelberg, Germany

9:30 Oral Microbiome and Pancreatic Cancer

Dominique S. Michaud, Brown University, Rhode Island, USA

10:00 HIV and Microbiome

Roger Paredes, IrsiCaixa AIDS Research Institute, Badalona, Spain

10:30 Open Debate

11:00 Coffee Break

11:30 SESSION 6: MICROBIOME AND DISEASE (III)

Chair: **George Weinstock**, The Jackson Laboratory for Genomic Medicine, Maine, USA
Esther Jiménez, Universidad Complutense de Madrid, Madrid Spain

11:30 Gut-Brain Axis: Microbiome and Autism

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

12:00 The Respiratory Microbiome in Healthy and Diseased

Eduard Monsó, Hospital Universitari Parc Taulí de Sabadell, Fundació BRN, Sabadell, Spain

12:30 Open Debate

13:00 Lunch

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14:00 SESSION 7: PERTURBANCE AND MODULATION OF THE HUMAN-MICROBIOME RELATIONSHIP (I)

Chair: **Roger Paredes**, IrsiCaixa AIDS Research Institute, Badalona, Spain

14:00 Man and Microbiome: Did We Alter this Mutualism?

Joël Doré, MetaGenoPolis, French National Institute for Agricultural Research, Paris, France

14:30 Beyond Strain-Specificity for Probiotics

Mary Ellen Sanders, Dairy & Food Culture Technologies, Centennial, Colorado, USA

15:00 Open Debate

15:30 Coffee Break

16:00 SESSION 8: PERTURBANCE AND MODULATION OF THE HUMAN-MICROBIOME RELATIONSHIP (II)

Chairs: **Joan Vendrell**, Hospital Universitari Joan XXIII, Tarragona, Spain

Jordi Guardiola, Hospital Universitari de Bellvitge, Bellvitge, Spain

16:00 Gut Microbiota and Metabolic Disorders: Targeted Approaches

Patrice D. Cani, Université Catholique de Louvain, Drug Research Institute, Louvain, Belgium

16:30 Faecal Microbiota Transplantation

Max Nieuwdorp, Academic Medical Center, Amsterdam, The Netherlands

17:00 Open Debate

17:30 Closing Remarks

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