The Barcelona Debates on the Human Microbiome

June 25-26, 2026
CosmoCaixa, Barcelona

More Information & Registration

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TECHNICAL SECRETARIAT

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Bonaventura Clotet, IrsiCaixa, Hospital Universitari Germans Trias i Pujol (HUGTiP), Spain.
Francisco Guarner, Teknon Medical Centre, Spain.
Roger Paredes, IrsiCaixa, HUGTiP, Spain.

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Clàudia Arajol, Hospital Universitari de Bellvitge, Spain.
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Francisco Guarner, Teknon Medical Centre, Spain.
Chaysavanh Manichanh, Vall d'Hebron Research Institute (VHIR), Spain.
Margarita Martínez-Medina, Universitat de Girona, Spain.
Roger Paredes, IrsiCaixa, HUGTiP, Spain.
Mireia Vallès-Colomer, Universitat Pompeu Fabra, Spain.

DAY 1 - Thursday, June 25	
08:50 h	**Welcome** **Roger Paredes**, IrsiCaixa, HUGTiP, Spain **Francisco Guarner**, Teknon Medical Centre, Spain **Mireia Castanys**, Research Centers "la Caixa" Foundation, Spain
SESSION 1: MICROBIOME AND HOST GENETICS Chairs: **Mireia Vallès-Colomer,** Universitat Pompeu Fabra, Spain, and **Malu Calle,** Universitat de Vic, Spain	
09:00 h	**Cross-species Genetics Reveals Host Glycosyltransferases as Key Regulators of Gut Microbes** **Amelie Baud**, Centre for Genomic Regulation (CRG), Spain
09:30 h	**Fungal Cross-Reactivity Shapes Pathogenic CD4⁺ T Cell Responses in IBD** **Petra Bacher**, Kiel University, Germany
10:00 h	*Discussion*
10:30 h	Coffee Break
11:00 h	**Poster Flash Communications by Topic at Àgora Room**
SESSION 2: MICROBIOME & IMMUNITY Chairs: **Chaysavanh Manichanh,** Vall d'Hebron Research Institute (VHIR), Spain, and **Alessandra Borgognone,** IrsiCaixa, Spain	
12:00 h	**Human Regulatory T-cells and the Gut Microbiome** **Guillaume Sarrabayrouse,** Université Paris Cité, France
12:30 h	**Microbial Metabolites and Immunity - From Human to Organoids** **Liza Konnikova**, Yale University, USA
13:00 h	*Discussion*
13:30 h	Lunch Break
SESSION 3: MICROBIOME & WOMEN'S HEALTH Chairs: **Roger Paredes,** IrsiCaixa, HUGTiP, Spain, and **Carmen Collado,** IATA-CSIC, Spain	
14:30 h	**Mapping the Vaginal Microbiome, Culturome and Metabolome** **Sarah Lebeer**, University of Antwerp, Belgium
15:00 h	**Translating the Vaginal Microbiome into Novel Live Biotherapeutic Products** **Jacques Ravel,** University of Maryland School of Medicine, USA
15:30 h	*Discussion*
16:00 h	**Poster Flash Communications by Topic at Àgora Room**
17:00 h	Adjourn

DAY 2 -Friday, June 26	
08:30 h	**Poster Flash Communications by Topic at Àgora Room**
SESSION 4: DIETARY MODULATION OF THE MICROBIOME Chairs: **Margarita Martínez-Medina,** Universitat de Girona, Spain, and **Clàudia Arajol,** Hospital Universitari de Bellvitge, Spain	
10:15 h	**Interplay Between Diet and Gut Microbiome** **Tim D. Spector,** King's College of London, UK
10:45 h	**Long Term Dietary Patterns and Gut Microbiome Composition** **Arnau Vich i Vila,** VIB-KU Leuven, Belgium
11:15 h	*Discussion*
11:45 h	Coffee break
SESSION 5: DECODING THE LANGUAGE OF THE MICROBIOME Chairs: **Amanda Rodríguez**, Hospital Universitari Vall d'Hebron, Barcelona, Spain, and **José Manuel Fernández-Real,** IdIBGi-Hospital Universitari de Girona Dr. Josep Trueta, Spain	
12:30 h	**Microbial Resistome Dynamics in Early Life** **Carmen Collado,** IATA-CSIC, Spain
13:00 h	**Metabolomics-Based Gut-Brain Axis Research** **Jonathan Swann**, University of Southampton, UK
13:30 h	*Discussion*
CLOSING LECTURE Chair: **Stanislav Dusko Ehrlich,** INRAE, France	
14:00 h	**The Earth Microbiome Project and eDNAID** **Rob Knight**, University of California, USA
14:30 h	**Closure & Best Abstract Award Announcement**

Event Spaces:
All scientific sessions will be held in the Auditorium.
Poster Flash Communications will be held in the Àgora Room.
Coffee breaks will take place in the outdoor patio adjacent to the Àgora Room.

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More information about this activity