



The Barcelona Debates on the **Human Microbiome**

June 25-26, 2026
CosmoCaixa, Barcelona

[More Information & Registration](#) 



ORGANIZED BY

IrsiCaixa

TECHNICAL SECRETARIAT

 **ScienHub**

THANKS TO THE SUPPORT OF

 "la Caixa" Foundation



Coordinators

Bonaventura Clotet, IrsiCaixa, Spain.

Francisco Guarner, Teknon Medical Centre, Spain.

Roger Paredes, IrsiCaixa, HUGTiP, Spain.

Scientific Committee

Clàudia Arajol, Hospital Universitari de Bellvitge, Spain.

Adam Burgener, Center for Global Health and Diseases at Case Western Reserve University, United States.

Malu Calle, Universitat de Vic, Spain.

Bonaventura Clotet, IrsiCaixa, Spain.

Carmen Collado, Institut d'Agroquímica i Tecnologia d'Aliments (IATA) - Consell Superior d'Investigacions Científiques (CSIC), Spain.

Stanislav Dusko Ehrlich, Institut National de la Recherche Agronomique (INRAE), France.

José Manuel Fernández-Real, Institut d'Investigació Biomèdica de Girona (IdIBGi) – Hospital Universitari de Girona Dr. Josep Trueta, Spain.

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 Castany, Research Centers "la Caixa" Foundation, Spain

SESSION 1: MICROBIOME & HOST GENETICS

Chairs: **Mireia Vallès-Colomer**, Universitat Pompeu Fabra, Spain, and **Margarita Martínez-Medina**, Universitat de Girona, 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 **Flash Communications**
Methods · Emerging Areas

SESSION 2: MICROBIOME & IMMUNITY

Chairs: **Chaysavanh Manichanh**, Vall d'Hebron Research Institute (VHIR), Spain, and **Alessandra Borgognone**, IrsiCaixa, Spain

12:10 h **Human Regulatory T-cells and the Gut Microbiome**
Guillaume Sarrabayrouse, Université Paris Cité, France

12:40 h **Microbial Metabolites and Immunity - From Human to Organoids**
Liza Konnikova, Yale University, USA

13:10 h *Discussion*

13:40 h Lunch Break

SESSION 3: MICROBIOME & WOMEN'S HEALTH

Chairs: **Roger Paredes**, IrsiCaixa, HUGTiP, Spain, and **Carmen Collado**, IATA-CSIC, Spain

14:40 h **Mapping the Vaginal Microbiome, Culturome and Metabolome**
Caroline Dricot, University of Antwerp, Belgium

15:10 h **Translating the Vaginal Microbiome into Novel Live Biotherapeutic Products**
Jacques Ravel, University of Maryland School of Medicine, USA

15:40 h *Discussion*

16:15 h **Flash Communications**
Clinical Associations · Therapeutics · Diagnostics

17:15 h Adjourn



DAY 2 - Friday, June 26

08:30 h **Flash Communications**
Host-Microbiome · Microbiome Ecology

SESSION 4: DIETARY MODULATION OF THE MICROBIOME

Chairs: **Malu Calle**, Universitat de Vic, 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.



The Barcelona Debates on the **Human Microbiome**

THANKS TO THE SUPPORT OF



More information about this activity 