

## Conference Agenda

### Developed by our Scientific Committee



**Jacques Ravel**

University of Maryland School of Medicine



**Ina Schuppe Koistinen**

Karolinska Institutet & Cutis



**Johan E.T. van Hylckama Vlieg**

Freya Biosciences



**Caroline Mitchell**

Massachusetts General Hospital



**Carlos Simon**

Carlos Simon Foundation



**Inmaculada Moreno Gimeno**

Carlos Simon Foundation



**Sarah Lebeer**

University of Antwerp



**Jo-Ann Passmore**

University of Cape Town



**Sharon Achilles**

Gates Foundation

Organized by

**MicrobiomeTimes**

REPORTING ON THE ERA OF THE MICROBIOME

In Collaboration With



**Carlos Simon Foundation**

FOR RESEARCH IN WOMEN'S HEALTH

### Artwork Provided by Ina Schuppe Koistinen

See more of Ina's Artwork here:



### Sponsors



Your global CDMO for Microbiome Therapeutics



LALLEMAND HEALTH SOLUTIONS



# Day 1 - Tuesday, April 21<sup>st</sup>

09:00-09:10



## Welcome Note

Carlos Simon

*Co-President & Founder, Carlos Simon Foundation*

## Key Note Session: The Role of Partner Microbiomes in Women's Health Outcomes

09:10-09:35



## Sexual acquisition as a determinant of the genital microbiome

Rupert Kaul

*Elisabeth Hofmann Chair in Translational Medical Research, University of Toronto*

09:35-10:00



## The male-female microbiomes in couples with infertility and recurrent pregnancy loss: impact on reproductive outcomes

Henriette Svarre Nielsen

*Clinical Professor/Consultant in Obstetrics and Gynecology/Head of Recurrent Pregnancy Loss, Copenhagen University Hospital Hvidovre*

10:00-10:25



## Involving partners in the treatment and prevention of bacterial vaginosis

Catriona Bradshaw

*Clinical Professor/ Head of The Genital Microbiota and Mycoplasma Group, University of Melbourne/ Melbourne Sexual Health Centre*

10:25-11:00

## Coffee Break



## Mechanistic Understanding of Microbes in Women's Health

11:00-11:20



## A symphony of microbial enzymes digest glycan barriers in the vagina: implications for health and disease

Amanda Lewis

*Professor, Department of Ob/Gyn and Reproductive Sciences, UCSD*

11:20-11:40



## The effect of menstrual cups on the vaginal microbiome, Bacterial vaginosis, STIs and Pharmacovigilance

Supriya Mehta

*Adjunct Professor of Epidemiology, University of Illinois at Chicago School of Public Health*

11:40-12:00



## Presentation Title TBD

Katharina Ribbeck

*Andrew (1956) and Erna Viterbi Professor, Massachusetts Institute of Technology*

12:00-12:20



## Modelling vaginal microbiome Dynamics

Samuel Alizon

*Research Director, CNRS*

12:20-12:35



## Decoding vaginal microbiome mechanisms beyond species-level profiling: strain-level metagenomics and integrated multi-omics

Gustav (Lindved) Kjær de Laguiche

*Senior Scientific Product Manager, Cmbio*

12:35-12:50



## Host glycans correlate with vaginal microbiota state and *L. crispatus* colonization success

Madeline Vast

*PhD Student, UCLouvain*

12:50-14:00

## Lunch



14:00-14:20



### **Gut Microbiome Signatures in Endometriosis: Characterization of Taxonomic and Functional Shifts**

Ruth Ann Luna

*Associate Professor, Baylor College of Medicine*

14:20-14:40



### **Microbial and host factors underlying group B Streptococcus colonization of the vaginal mucosa**

Katy Patras

*Associate Professor, Molecular Virology and Microbiology, Baylor College of Medicine*

14:40-15:00



### **Microbiome to Mechanism: Elucidating function in vaginal bacteria**

Seth M. Bloom

*Instructor in Medicine, Infectious Disease Division, Massachusetts General Hospital  
Harvard Medical School*

15:00-15:15



### **Selective -glucoside utilization promotes ecological enrichment of Lactobacillus crispatus in a defined vaginal microbial community model**

Dominick J Jenkins

*Graduate Student, Harvard University*

15:15-15:30



### **Mechanistic Insights to the Role of Host-Microbiome Interface in the Cervicovaginal Microbiome and Preterm Birth**

Issac Chaudry

*MD/PhD Student, University of Maryland, School of Medicine*

15:30-16:00

## Coffee Break



## Funding Opportunities for Microbiome and Women's Health Research

16:00-16:20



### **Microbial Metabolism as a Mechanistic Driver of Infertility in Patients with Endometriosis**

Pedro Vieira Baptista

*Gynecologist, Biocodex Microbiota Foundation*



Mireia Valles-Colomer

*Principal Investigator, MELIS Department, Universitat Pompeu Fabra*

16:20-16:40



### **The missed vital sign - a \$50M program in women's health**

Jackie Maybin

*Program Director, Wellcome Leap*

16:40-17:00



### **Designing for Impact: From Vaginal Microbiome Discovery to Product Development**

Sharon Achilles

*Deputy Director, Reproductive Health Technologies, Global Health, Gates Foundation*

## Social Networking Dinner at Nou Racó, Valencia



Join us for an evening of networking, fine dining, and breathtaking scenery in one of Valencia's most unique locations.

Ticket is 85 euros and includes transfer from the event venue to Nou Racó (and back), a private boat tour through the serene waters of Albufera directly to the restaurant's private dock, authentic valencian dinner and drinks.



# Day 2 - Wednesday, April 22<sup>nd</sup>

## Nutrition

08:30-08:50



### **Relationship between female reproductive health, digestive microbiome and health**

Daniel Ramón Vidal

*Professor of Food Technology, CEU Cardenal Herrera University, Valencia, Spain*

08:50-09:10



### **You Are What You Eat: Diet and the Vaginal Microbiome**

Claudio Foschi

*Associate Professor in Microbiology and Clinical Microbiology, University of Bologna*

09:10-09:30



### **Probiotics and the microbiome in women's health: a lifespan perspective on challenges and opportunities**

Marie-Laure Oula

*Clinical Program Manager, Lallemand Health Solutions*

09:30-09:50



### **Personalized Nutrition and Microbiome Modulation for Women's Reproductive Health: From Mechanisms to Clinical Practice**

Gemma Fabozzi

*Senior Clinical Embryologist & Clinical Nutritionist, B-Woman Genera*

09:50-10:10



### **Women nutrition in pregnancy & lactation: shaping maternal and infant microbiota and health**

Carmen Collado

*Researcher, IATA-CSIC*

10:10-10:30



### **Sex-specific effects of cow's milk allergy and milk elimination diets on children's gut microbiome**

Pilar Francino Puget

*Head, Genomics and Health Area, FISABIO*

10:30-11:00

## Coffee Break



## The Microbiome & Pregnancy Outcomes

11:00-11:20



### **Modulating the vaginal microbiome for preterm birth prevention**

Lynne Sykes

*Consultant Obstetrician, Imperial College Healthcare NHS Trust*

11:20-11:40



### **The role of microbiome in ART (Artificial Reproductive Technology)**

Dimitrios Rafail Kalaitzopoulos

*Clinical Research Fellow, Brussels IVF*

11:40-12:00



### **The role of the endometrial microbiome in ART and pregnancy outcomes**

Inmaculada Moreno Gimeno

*Senior Principal Investigator, Carlos Simon Foundation*

12:00-12:15



### **Oponisation Of Vaginal Microbiota In Women At High-Risk Of Delivering Preterm**

Belen Gimeno Molina

*Research Associate, Imperial College London*



## Developing Microbiome-Based Therapeutics for Women's Health Indications

13:15-13:30



### Presentation Title TBD

Richard Ellis

*Global Business Development Director - CDMO Services, Biose Industrie*

13:30-13:50



### Microbial metabolites for women's health: a novel gel to reset the vaginal microenvironment

Gilda Tachedjian

*Head, Life Sciences Discipline; Head, Retroviral Biology and Antivirals Laboratory  
Burnet Institute*

13:50-14:10



### Bringing diagnostic and therapeutic solutions to women's health

Chrysi Sergaki

*Head of Microbiome, Medicines and Healthcare Products Regulatory Agency*

14:10-14:30



### Experimental Vaginal Ecosystems (EVE): A Translational Platform to Evaluate Microbiome-Targeted Interventions

Indriati Hood-Pishchany

*Assistant Professor, Pediatric Infectious Diseases, University of North Carolina School of Medicine*

14:30-14:50



### Phase 1 Safety Study of vaginally administered MucoCept-CVN (*Lactobacillus jensenii* 1153-1666)

Anke Hemmerling

*Associate Adjunct Professor, Obstetrics, Gynecology and Reproductive Sciences, UCSF*

14:50-15:10



### Predictors of durable engraftment by live biotherapeutic products (LBP)

Laura Symul

*Assistant Professor, Université Catholique de Louvain*

15:10-15:30



### The VIBRANT study and the therapeutic prospects of live biotherapeutics

Disebo Potloane

*Site Director, Centre for the Aids Programme of Research In South Africa*



Jacques Ravel

*Director, Center for Advanced Microbiome Research & Innovation (CAMRI)  
School of Medicine, University of Maryland*

15:30-15:45



### Engineering next generation lysins for the treatment and prevention of vaginal dysbiosis

Matthew Cummings

*VP of UK operations, CC Bio*

15:45-16:00

**Closing Remarks and Best Abstract Award Announcement**

*Sponsored by*

**SPRINGER NATURE** Link