

AGENDA

FINAL CONFERENCE 17.09.2024



UNLOCKING THE POTENTIAL OF **MICROBIOMES** FOR SUSTAINABLE **FOOD PRODUCTION**

📍 Online & Brussels, Comet

08:30 Registration, Welcome Coffee and Networking

SESSION 1

Innovative Microbial Strategies for Sustainable Food Production

09:00 Welcome and Opening
Marco Candela - University of Bologna

09:10 Optimized Circular Use of Bioresources,
Improving both Human & Animal Gut
Microbiomes
Lene Lange - Scientific Committee of CBE-JU

09:25 Harnessing Fungi-Bacteria Interactions
to Improve Plant Growth and Health
Stéphane Compant - Austrian Institute of Technology

09:40 **COFFEE BREAK**

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SESSION 2

Streamlining Development: Implementing Common Procedures, Tools, and Initiatives for Enhanced Research

Moderator: **Giorgia Palladino - University of Bologna**

10:10 Food System and Environmental Microbiomes, A By-Directional Connection to Be Protected and Managed for the Sustainable Production of Healthy Food
Marco Candela - University of Bologna

10:25 Universal Reporting of Microbiome Dysbiosis
Simone Rampelli - University of Bologna

10:40 Assessment of Environmental and Economic Sustainability of the CIRCLES Product Chains
Kati Räsänen - Natural Resources Institute Finland

SESSION 3

Microbiomes in Plant Food Chains: Innovations for Productivity, Quality, Safety, and Sustainability

Moderator: **Simone Rampelli - University of Bologna**

11:00 Genome Mining for the Discovery of New Plant Grows Promoting Bacteria
Giorgia Palladino - University of Bologna

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11:15 Wood Fibres to Feed Soil Fungi
in the Agricultural Fields
[Taina Pennanen - Natural Resources Institute Finland](#)

11:30 Structure, Function and Manipulation
of the Horticultural Microbiome
[Davide Bulgarelli - University of Dundee](#)

11:45 PANEL DISCUSSION

Beyond the Soil: Navigating the Frontiers
of Microbiome Applications in Crop Production

Moderator: **Davide Bulgarelli - University of Dundee**

Panelists: **Stéphane Compant - Austrian Institute of Technology**
Eva Lucic - Inoq
Michele Sellitto - L.G. Italia S.R.L.

12:30 LUNCH BREAK

SESSION 4

Microbiomes and Circular Strategies in Poultry and
Swine Food Chains

Moderator: **Marco Candela - University of Bologna**

13:30 Microbiome Nutritional Strategies
to Improve Sustainability of the Poultry
Food System: the CIRCLES Case Study
[Yitagele Terefe Mekonnen - University of Bologna](#)

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13:45 Developmental Dynamics of the Pig Intestinal Microbiota and Relationship with Health and Welfare Parameters
Paolo Trevisi - University of Bologna

14:00 Sustainability and Productivity: Two Sides of the Same Coin
Estefanía Pérez Calvo - DSM

SESSION 5

Leveraging Marine and Fish Microbiomes for Sustainable Aquaculture

Moderator: **Pimlapas Leekitcharoenphon**
- **Technical University of Denmark**

14:15 Exploring Wild Fish and Marine Microbiomes to Improve Aquaculture
Marco Basili - Italian National Research Council

14:30 Ecology-Based Learning on Fish Microbiomes
Kostas Kormas - University of Thessaly

14:45 Insights into the dynamics of Atlantic Salmon Gut Microbiomes
Wasim Uddin - Norwegian Veterinary Institute

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15:00 **PANEL DISCUSSION**

Lessons Learned on Microbiome Applications in the Animal Food Chains: Key Insights and Takeaways

Moderator: **Kostas Kormas** - University of Thessaly

Panelists: **Rosa Domenech Mata** - TRIBIOME Project

Antton Alberdi - HOLOFOOD Project

Riccardo Vincenzi - Agricola Italiana Alimentare

15:45 **COFFEE BREAK**

SESSION 6

Tackling Antimicrobial Resistance in Food Systems: From Circles Food Chains to Environmental Impact

Moderator: **Cedric Christian Laczny** - University of Luxembourg

16:15 Resistome Dispersion from the CIRCLES Food Chains to the Environment
Marco Candela - University of Bologna

16:30 Resistome Dynamics in Aquaculture
Pimlapas Leekitcharoenphon
- Technical University of Denmark

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16:45 **PANEL DISCUSSION**

Lessons Learned and Actions: Combating AMR

Moderator: **Cedric Christian Laczny - University of Luxembourg**

Panelists: **Pimplapas Leekitcharoenphon**

- **Technical University of Denmark**

Yitagele Terefe Mekonnen - University of Bologna

Susheel Bhanu Busi

- **UK Centre for Ecology & Hydrology**

SESSION 7

Unveiling the Impact: Exploring Microbiome Research and Its Role in the Food Chain

Moderator: **Dasha Silchenko - EUFIC**

17:30 Project Results & Introduction
to the CIRCLES Kit for Microbiome Analysis
Marco Candela - University of Bologna
Andrea Castagnetti - Wellmicro

17:45 CIRCLES Box Business Model
Carmen Bianca Socaciu - GATE2GROWTH

18:00 **CLOSURE OF THE CONFERENCE
& NETWORKING RECEPTION**

