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Nutrition, microbiome and health

latest findings and future research

June 17th to 18th, 2024

Chairs: Flavia Indrio & Hania Szajewska



Session 1: Early life gut microbiome ecological patterns

- Maternal gut microbiome: long-term effect of the short-term 'programming'
- Breastfeeding and health benefits for the mother-infant dyad: a perspective on human milk microbiota
- Diet-microbe-host interaction in preterm infant health
- The bloom of microbes and immune development during early childhood
- Microbiome-targeted dietary regimens to combat pediatric malnutrition

Session II. - Microbiome, nutritional modulators and health outcomes

- An overview of early-life gut microbiome modulation strategies
- Microbiome at the core: unlocking mechanisms of food allergy at the non-communicable diseases era
- Microbiome and brain development
- Gut microbiota and disorders of gut brain interaction
- Gut-bone axis - clinical implications

Session III. Future of microbiome research – Round table

- Local environmental heterogeneity and impacts on human health and wellness
- The infant gut virome: knowns, unknowns, and avenues for future studies
- Artificial intelligence and microbiome research

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