

Special Issue

Gut Microbiome Modulation and Its Consequences to Infant Development

Message from the Guest Editors

The aim of the Special Issue is to assemble a series of articles that address the understanding of the impact of microbiota in early life. We welcome Original Research articles, Reviews and other article types focusing on, but not limited to, the following subtopics:

- Evolutionary history of infant intestinal health and microbiome
- Milk; the mechanisms of support of the inoculation, maturation, and functions of the infant microbiome
- Maternal influence on the infant microbiome and development
- Modes of nutritional influence on the infant microbiome and development
- Microbiome adaptation in the transition from breastfeeding/formula to solids foods
- Molecular Fuel: the metabolites of microbes and their targets of action
- Parallels of microbiome and immune development
- Optimal experimental designs, study designs to understand microbiome optimization
- Analytics, methodology of microbial ecology and metabolism, accurate monitoring of infant development and long term outcomes

Manuscripts covering these areas and others related to human microbiome, early life ontogeny/development, metabolism, and nutrition, are welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)



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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich

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JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).