Special Issue

Multi-omics for Microbiomes

Message from the Guest Editor

The established and emerging omics techniques all have their merits and limits, and, for many research questions, it is necessary to combine different techniques. This holds especially true for the analysis of the microbial ecology and physiology of gut microbiota and its interaction with the host. In this Special Issue, we are aiming at collecting reviews and original research that focus on the following aspects: - symbiosis of microbiota and host
- model systems of the gastrointestinal microbiota
- combination and integration of different omics methodologies in microbiome research
- metabolic interaction of the microbiota and the host
- metabolic flux within the microbiota
- metagenomic prediction of metabolic functions
- functional characterisation of ecological niches within the gastrointestinal tract Prof. Dr. Martin von Bergen

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2018)

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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.

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Journal Rank:

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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).

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