Special Issue

Tumor-Related Host-Microbiota Interactions

Message from the Guest Editors

Host–microbial interaction plays a major role in shaping the wellness or disease of the human body. Microorganisms coexisting in human tissues maintain a balance between benefits (modulation of fundamental processes such as signal transduction, immunity, and metabolism) and microbial diversity. Unbalance, or dysbiosis, has been correlated with cancers, particularly those in the GI tract. The role of host–microbiome interactions must be documented more extensively, including in precision medicine in the area of cancer research, treatments, disease risk and screening, and systems biology. In this Special Issue, we invite papers on the state of the art of

- Sequencing and metabolome technologies;
- Computational methods and schemes in systems biology that address recent breakthroughs in uncovering relationships or associations between microorganisms and cancer;
- Microbiome studies which extend the horizon of new personalized treatments against cancer from the perspective of precision medicine through a synergistic strategy integrating clinical knowledge;
- Probiotics: facts and illusion.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 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

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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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