

Special Issue

Microbiome and Cancer Immunotherapy

Message from the Guest Editors

Immunotherapy realized the long-chased objective of full remission and overall improvement in relapse-free survival rates in certain types of cancer patients - sometimes close to what could be considered as a cure. However, a large number of tumors still remain refractory and, even in conditions showing positive clinical outcomes, responses often lack consistency and secondary toxicities limit a substantial portion of patients from benefitting from the intervention. In this regard, the clinical relevance of the immunomodulatory role of the microbiome has emerged both as solid predictor of response and as an actionable target to improve efficacy and/or reduce toxicities. For this Special issue, we invite you to submit research articles, review articles and short communications about the influence of the microbiome on immunotherapy, including the interactions of microbial antigens and metabolites with the host's immune system, the modulation of microbial communities to improve clinical outcomes and the design of innovative interventions based on microbiome manipulation.

Guest Editors

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Dr. Marie Joossens

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Deadline for manuscript submissions

closed (31 May 2021)



Microorganisms

an Open Access Journal
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Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



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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).