

Special Issue

Recent Advances in Cancer Metastasis Models

Message from the Guest Editor

Cancer metastasis remains the leading cause of cancer-related mortality worldwide. Despite extensive research efforts, our understanding of the mechanisms that drive metastatic dissemination, colonization, and resistance to therapy is still evolving. Traditional experimental models have provided critical insights but often fall short in recapitulating the complexity of human metastatic disease.

This Special Issue aims to highlight recent innovations in cancer metastasis modeling, ranging from advanced in vitro platforms such as 3D culture systems and organoids to in vivo animal models and integrative computational approaches. In particular, the incorporation of artificial intelligence, machine learning, and multi-omics data has opened new avenues to improving the predictive power and translational relevance of metastasis research.

We invite contributions that explore the biological, molecular, and technological foundations of metastasis modeling, with the goal of enhancing our ability to study, predict, and ultimately intervene in metastatic progression.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2026)



Biomedicines

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8
Indexed in PubMed



mdpi.com/si/254723

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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