

Special Issue

Endothelial-to-Mesenchymal Transition: A Key Driver of Tumor Progression and Therapeutic Resistance

Message from the Guest Editor

Endothelial-to-Mesenchymal Transition (EndMT) is a process in which endothelial cells lose their characteristic features and acquire a mesenchymal phenotype, gaining migratory, invasive, and fibrotic properties. This transition is a key mechanism in both physiological processes, such as wound healing and fibrosis, and in pathological conditions, including tumor progression. During EndMT, endothelial cells within the tumor vasculature transform into mesenchymal-like cells, which not only promote abnormal blood vessel formation but also enhance the tumor's ability to grow, invade surrounding tissues, form metastases, and evade the immune system. For these reasons, EndMT has emerged as a potential target for cancer therapy and overcoming treatment resistance. We invite the submission of research manuscripts and reviews focusing on the following topics: EndMT molecular mechanisms in physiology and tumors; the impact of drugs on the regulation of EndMT; the role of EndMT in tumor development, metastasis, immune evasion, and drug resistance; and targeting EndMT for therapy.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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