

Special Issue

The Role of Platelets in Tumor Microenvironment

Message from the Guest Editor

Over the last few decades, an increasing number of studies have reported on the role of platelets in the tumor microenvironment, independent of their well-established contributions to hemostasis and thrombosis. The relationship between platelets and tumor cells is bidirectional. Tumor cells can activate platelets and, conversely, platelets can influence tumor growth and metastasis. Platelets also promote tumor cells' intravasation and extravasation. The mechanism by which platelets contribute to the tumor microenvironment is still under debate. Preclinical and clinical research show that solid tumor growth is dependent on angiogenesis. It is now well established that platelets are involved in tumor-induced angiogenesis, and recent studies have also shown that they also participate in tumor vessel homeostasis. These observations raise the intriguing possibility that targeting platelets can destabilize the tumor vasculature and may improve the delivery of chemotherapeutic agents. In this Special Issue, the role of platelets in tumor angiogenesis and in the maintenance of vascular integrity, as well as the role of platelets in chemotherapy resistance will be discussed.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)



Cancers

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed



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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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