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Platelet Function beyond Hemostasis

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Deadline for manuscript
submissions:

closed (30 August 2021)

Message from the Guest Editor

Dear Colleagues,

Blood platelets are well-known for their essential role in hemostasis and thrombus formation. In the context of infection, the inflammatory and thrombotic mechanisms are closely related and affect each other. Thrombotic mechanisms and the role of platelets are perceived. Furthermore, platelet granules contain numerous different proteins known to be involved not only in hemostasis and inflammation, but also in angiogenesis, wound healing, and tumor growth. The adhesion of platelets to other cells and matrix proteins via specific receptors followed by activation of the platelets is a central mechanism leading to the release of the granules content. In this way, platelets play a significant role in many different processes beyond hemostasis, including angiogenesis and tumor progression. The aim of this Special Issue is to provide an overview of the current knowledge on platelets affecting inflammation, innate immune response, vascular development, wound healing and vice versa. Furthermore, aspects of tumor growth and progression are considered for a better understanding of platelet function beyond hemostasis.

Dr. Peter Bugert

Guest Editor



mdpi.com/si/73244

Special Issue



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