

## Special Issue

# Platelets in Human Health and Diseases

### Message from the Guest Editor

Platelets are tiny blood cells with several physiological purposes; they play a key role in both health and disease. In health, platelets circulate in the bloodstream and remain in a resting state until they are activated by injury or other stimuli. Maintaining the proper balance between thrombosis and bleeding is a dynamic process involving many pro- and anticoagulant components. At the site of vascular injury, platelet accumulation is the first wave of hemostasis. Platelet adhesion, activation, and aggregation are critical events in hemostasis. Many basic science projects and research studies are investigating novel pathophysiological mechanisms and providing new insights into the current understanding of the contribution of platelets to many clinical situations, such as inflammation, tissue regeneration, cancer progression, and other pathophysiological processes. In disease states, platelets can be involved in the progression and severity of conditions such as cardiovascular diseases, diabetes mellitus, and cancer.

### Guest Editor

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### Deadline for manuscript submissions

31 October 2025



## Biomedicines

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Impact Factor 3.9  
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Indexed in PubMed



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*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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