

Special Issue

Molecular Mechanisms of Platelet-Related Disorders

Message from the Guest Editors

Disorders in platelet count or function can have a genetic, acquired reason, etc, but in many patients with bleeding tendency, the cause of platelet disorder is still unknown. Patient and mouse knockout studies indicated that hundreds of platelet-expressed proteins are required for normal function. These proteins include multiple receptors, signaling proteins, etc. Via regulated surface exposure or activated membrane proteins or phospholipids, platelets can interact with nearby blood cells, vascular components or the coagulation system. Aberrant or pathophysiological interactions of platelets with immune or other cells may extend the consequences of platelet dysfunction to many other diseases. Platelet-related disorders are thus considered not only as a cause of bleeding but also as a factor in thrombosis, inflammation, infection or neoplasia. However, for many expressed genes and proteins the link to normal platelet function is still unclear.

The Special Issue will cover research papers and reviews on possible/new causes of quantitative or qualitative platelet disorders. Papers with molecular data will be welcomed, but clinical papers are discouraged by IJMS.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2024)



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About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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