

Special Issue

Molecular Research on Platelet Activity in Health and Disease

Message from the Guest Editors

Platelets are small anucleated cytoplasmic fragments derived from large megakaryocytes residing in bone marrow that are primarily recognized for their fundamental role in haemostasis and thrombosis. In response to vascular injury, platelets quickly adhere to sub-endothelial matrix proteins, through specific adhesion-signalling receptors whose activation leads to a cascade of events resulting in platelet spreading, granule secretion, aggregation and clot retraction. To date, a large body of evidence has highlighted the ability of platelets to act as multifunctional cells, which actively influence a widespread range of apparently unrelated patho-physiological events. Platelets, indeed, play a central role in inflammation, an underlying cause in several pathologies (among them cardiovascular disease, obesity, metabolic syndrome and gastrointestinal diseases) as well as in infection, cancer, neurodegeneration and other brain dysfunctions. For readers, this Special Issue, **"Molecular Research on Platelet Activity in Health and Disease"**, will provide an up-to-date description of the more intriguing aspects of platelet biology, highly relevant to human diseases.

Guest Editors

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Deadline for manuscript submissions

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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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