



Molecular Research on Platelet Activity in Health and Disease 2023

Guest Editors:

Dr. Valeria Gasperi

Department of Experimental
Medicine, Tor Vergata University
of Rome, Via Montpellier 1, 00133
Rome, Italy

Dr. Isabella Savini

Department of Experimental
Medicine, Tor Vergata University
of Rome, Via Montpellier 1, 00133
Rome, Italy

Dr. Maria Valeria Catani

Department of Experimental
Medicine, Tor Vergata University
of Rome, Via Montpellier 1, 00133
Rome, Italy

Deadline for manuscript
submissions:

20 September 2024

Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI