



## Molecular Research on Platelet Activity in Health and Disease

Guest Editors:

**Prof. Dr. Isabella Savini**

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

**Dr. Valeria Gasperi**

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:

**closed (30 November 2019)**

### 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.





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