

Special Issue

Molecular Advances in Platelet Disease, Thrombosis and Hemostasis

Message from the Guest Editor

Hemostasis is a tightly regulated physiological process that prevents excessive bleeding while maintaining vascular integrity. Platelets play a central role in hemostasis and thrombosis, responding rapidly to vascular injury by forming aggregates to prevent hemorrhage. Antiplatelet therapies are widely used to mitigate thrombotic risk, yet they often pose a trade-off between efficacy and bleeding complications. Advances in platelet biology, including multi-omics and proteomic approaches, have provided critical insights into platelet activation, signaling pathways, and post-translational modifications such as phosphorylation and proteolysis. We are launching this Special Issue of *Biomolecules* to explore important aspects in this field.

We look forward to receiving your contributions to making this initiative a wonderful and comprehensive Special Issue.

Guest Editor

Dr. José Rivera

1. Servicio de Hematología, Hospital Universitario Morales Meseguer, Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER-U765, Murcia, Spain
2. Grupo Español de Alteraciones Plaquetarias Congénitas (GEAPC), Madrid, Spain

Deadline for manuscript submissions

30 November 2025



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/234223

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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