

Special Issue

Molecular and Cellular Insights into Platelet Function

Message from the Guest Editors

Blood platelets are unique anuclear cells whose main function is to protect vascular integrity by forming hemostatic plugs, promoting blood coagulation, and regulating vessel wall status. They also moonlight as regulators of wound healing, fibrinolysis, regeneration and tissue remodeling, angiogenesis, lymphatic development, inflammation, and immunity. This multitude of functions, the high complexity of the inner structure, and an intricate signal transduction network make platelets a difficult and exciting object of research, while their involvement in vital physiological and pathological processes makes this research urgently important. Despite enormous progress in recent decades, platelets still hide numerous mysteries. This Special Issue of *Cells* will highlight recent progress and discuss major obstacles in the platelet field through a collection of original research articles, reviews, and communications. We welcome all types of studies (including basic, methodological, technological, and computational ones) related to this topic to be submitted to this Special Issue.

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Deadline for manuscript submissions

closed (20 June 2025)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/206180

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).