



Special Issue

New frontiers in platelet function

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Special Issue Introduction

Circulating platelets are central players in hemostasis as they possess an intricate signaling machinery that promptly reacts to endothelial damage sustaining the formation of a hemostatic plug. Their remarkable reactivity also supports pathological coagulative dysfunctions that lead to thrombotic disorders, making blood platelets an important pharmacological target to prevent arterial ischemia. Nevertheless, the functions of platelets extend beyond thrombosis and hemostasis, and these cells are recognized to contribute to several different physiological and pathological processes. A growing body of evidence indicates that platelets are involved in inflammation, angiogenesis, and wound healing, but also supports the progression of pathological conditions, including cancer metastasis and Alzheimer's disease.

The underlying mechanisms of the platelet contribution to these processes are still largely unknown, but it is conceivable that platelets may represent novel future targets for adjuvant pharmacological treatments for malignancies, degenerative disorders and other dysfunctions.

We invite investigators to contribute to this special issue, sharing their recent advances on the contribution of platelets to physiological or pathological processes. Both confirmatory and contradictory studies are welcome and different types of papers are acceptable, including research articles, reviews, communications and technical notes.

Benefits

Rigorous mechanism in peer review: one manuscript must be reviewed by at least two relevant experts. We will endeavour to ensure high standards for the review process and subsequent publication by a team of efficient and professional reviewers and scientific editors.

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