

Special Issue

Molecular and Cellular Basis of Thrombotic Diseases

Message from the Guest Editors

Circulating platelets and coagulation play a crucial role in hemostasis, acting to maintain the integrity of a closed circulatory system after blood vessel injury. Current antithrombotic therapy includes antiplatelet and anticoagulant drugs, preventing clot from forming and growing. However, these drugs have adverse side effects, most notably the increased risk of bleeding, and there remains a considerable incidence of thrombosis in patients receiving currently available therapy. There is an unmet medical need for novel antithrombotic agents or strategies with a more favorable safety profile, and better efficacy in certain high-risk patients. It is likely that a broader, more personalized and improved implementation of preventive measures will reduce the disease burden. The discovery of novel cellular and molecular targets is the matter of intense ongoing research. This Special Issue is dedicated to the description of pathological cellular and molecular mechanisms underlying hemostatic imbalance and thrombosis, the identification of fundamental basis of disease, and the development of molecular interventions to prevent or treat them towards a molecular medicine perspective.

Guest Editors

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