Special Issue

Coagulation and Its Disorders: From Molecular Mechanisms to Clinical Management

Message from the Guest Editor

Coagulation is a dynamic process triggered by controlled proteolytic activation through the intrinsic and extrinsic pathways that include a set of coagulation proteins. Any genetic mutation or functional defect involving coagulation factors modifies thrombin generation, resulting in bleeding or thrombosis. Several infectious and inflammatory diseases, organ failures, genetic mutations, and syndromes may impact coagulation mechanism. Also, pharmacological treatments may have repercussions in the coagulation system. The molecular mechanisms of diseases may help to develop new therapeutic approaches to rescue or control the proteolytic cascade. New-drug development and experimentation may help to modulate them and to prevent bleeding or clot formation, resulting in clinical features and prognosis enhancement when translated in animal models or in humans. This Special Issue aims to collect the most recent knowledge in the field, accepting original research articles and reviews related to coagulation disorders, their molecular mechanisms, diagnostic tests, and novel treatment strategies.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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