

Special Issue

Role of Inflammasomes in Health and Diseases

Message from the Guest Editor

Inflammasomes are a topic of growing interest today, as they are biologic entities transversely implicated in the pathogenesis of many acute and chronic inflammation-related diseases. The constitution and cleavage actions of such multi-protein complexes underlie the functioning of the innate response to various inflammatory stimuli. The final result is a particular form of programmed cell death, namely, pyroptosis. In the absence of relevant disorders, inflammasomes such as NLRP3, NAIP/NLRC4, and others act as intracellular 'sensors' of exogenous or endogenous aggressions via PAMPs and DAMPs. For this reason, targeted therapies that may interfere with inflammasome signaling deserve to be thoroughly developed. This Special Issue aims to bring together the main scientific proposals on the subject, covering everything from normal pathophysiology to the most recent clinical and translational findings in inflammatory diseases.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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