

Special Issue

Molecular Mechanisms in Anaphylaxis

Message from the Guest Editor

Anaphylaxis (AX) is the most severe manifestation of allergic disorders, being a systemic hypersensitivity life-threatening reaction that evolves rapidly. Among the most frequent triggers are food, drugs, and hymenoptera venoms. The plethora of features associated with AX confers difficulties in its diagnosis, impairing the ability to adequately treat these severe reactions. Generally, the diagnosis is carried out according to the clinical symptoms, which are common to many other pathologies, so confirmation through in vitro markers and knowledge about their molecular mechanisms is advisable. Mast cells and basophils are recognized as effector cells eliciting the anaphylactic reaction. However, many other cells and mediators are also relevant. Moreover, the release of mediators causes an endothelial barrier breakdown. This fact produces an increase in vascular permeability and a leakage of fluids, which have influence in two decisive and severe factors (hypotension and hypoxia). Thus, the primary purpose of this Special Issue is to collect scientific contributions providing novel insight into the molecular mechanisms of AX.

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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