

Special Issue

Pathogenesis and Novel Therapeutics in Asthma

Message from the Guest Editor

Asthma is a prevalent chronic inflammatory disease of the airways with complex etiology, mechanistic pathways, and variable clinical presentation. Such heterogeneity renders the search for targeted therapies. Currently, the best-known disease phenotype with tailored biological treatment is eosinophilic asthma. However, even in some of these patients, anti-IL5 treatment is ineffective. Furthermore, about a quarter of patients, especially those with a severe phenotype, develop progressive and irreversible airway obstruction, leading to persistent symptoms despite optimized treatment. Therefore, new therapeutic approaches are still needed, particularly in severe asthma. The Special Issue focuses on asthma research referring to modern personalized therapeutic opportunities. Particular interest is directed to novel asthma biomarkers, including molecular and epigenetic ones, providing new light on pathogenesis, phenotyping, and customized therapy in various airway inflammatory patterns of that disease. In addition, research articles on airway epithelial cell dysfunction, airway remodeling, and the overlap between asthma and chronic obstructive pulmonary disease are welcomed.

Guest Editor

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About the Journal

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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