Special Issue

Recent Advances in Chronic Rhinosinusitis and Asthma

Message from the Guest Editors

Asthma and chronic rhinosinusitis (CRS) are often clinically associated, and they reciprocally influence prognosis and outcome. The basis of this close relationship is found in their common immunopathology. Nowadays, both asthma and CRS are classified into different phenotypes, with the main defined as a Type-2 inflammatory disease. Nasal polyps are one of the main clues for a Type-2 phenotype. This phenotype is characterized by epithelial barrier disfunction; activation of Type-2 immune cells, including T helper 2 lymphocytes, dendritic cells, innate lymphoid cells Type-2, eosinophils, and mast cells; and imbalance at the host airway–microbial interface. The Type-2 low phenotypes are less understood but often represent clinical challenges due to their low response to medical treatment. The era of precision medicine led to pharmacological interventions able to modulate a specific immunological Type-2 pathway and provided clinical significant benefits. The aim of this Special Issue is to document new advances in the field of asthma and CRS immunopathogenesis through original articles and reviews.

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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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