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Recent Advances in Allergy and Clinical Immunology

Guest Editor:

Prof. Dr. Mirjana Turkalj
Srebrnjak Children's Hospital,
HR-10000 Zagreb, Croatia

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Message from the Guest Editor

Although allergic and atopic diseases have reached epidemic proportions in recent decades in industrialized countries, the reasons for such an increase are still unclear. Numerous factors have been recognized (such as exposomes) that can modify the immune response and lead to epigenetic modifications of sensitive individuals. Moreover, the new finding of immunological mechanisms of allergic sensitization and phenotype expression, progression of disease and development of tolerance to allergens will facilitate the development of new preventive and therapeutic perspectives. In recent years, diagnostic accuracy has increased, new biomarkers have been discovered and therapeutic efficacy has been improved, opening up the possibility of the implementation of personalized and precise medicine in clinical practice. However, the development of innovative and highly effective biological therapies and allergen-specific immunotherapy changed the therapeutic scene in the treatment of allergic diseases.



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Medicina Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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