

Special Issue

Immunometabolism and Immunologic Mechanisms in Allergy Diseases

Message from the Guest Editor

Food allergies are on the rise worldwide, posing a significant burden on public health and quality of life. For decades, the standard of care for food allergies was to avoid the allergen and use epinephrine upon allergic attack. However, advances in our understanding of the mechanisms behind allergic diseases have led to a paradigm shift, in which the early introduction of foods can reduce the development of food allergies. Despite these advances, the prevalence of food allergic disease is still on the rise, highlighting the urgent need for further insights into the molecular mechanisms underlying the pathogenesis, regulation, treatment, and prevention of allergic disease.

This Special Issue focuses on recent advances in understanding the molecular mechanisms driving food allergies, with particular emphasis on new insights in the intersection of immunology, metabolism, and neurology in the development and treatment of allergic disease. The overall aim of this issue is to provide a deeper understanding of the underlying causes of allergic diseases to aid in the future development of next generation therapies.

Guest Editor

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