

Special Issue

Basic Mechanisms of Physiological and Pathological Autoimmunity and Their Role in the Development of Autoimmune Diseases

Message from the Guest Editor

We are pleased to announce the commencement of a Special Issue focusing on the significant topic of autoimmune research. Understanding the intricate relationship between physiological and pathological autoimmunity is paramount in elucidating the complexities inherent in the development of autoimmune diseases. Over the past decades, extensive research has been conducted on physiological/natural and pathological autoimmunity, revealing the crucial role of the natural autoimmunity network in acting as a frontline defense against infections and facilitating the prompt clearance of dead cells and cell debris. Recent studies have shed light on how natural immunity contributes to the efficacy of vaccinations and aids in defending against mutated and tumorous cells. These aspects collectively form vital components of physiological immune regulation. Simultaneously, the genetic backdrop and individual status of the physiological autoimmune network can render an organism susceptible to a targeted immune response triggered by specific environmental factors, resulting in prolonged attacks on its own structures and the eventual onset of autoimmune diseases.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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