



Novel Insights into Cellular and Molecular Mechanisms of Autoimmune Disease

Guest Editors:

Dr. Kassem Sharif

Department of Gastroenterology,
Chaim Sheba Medical Center,
Affiliated to Tel Aviv University,
Tel Aviv, Israel

Dr. Adi Lahat

Department of Gastroenterology,
Chaim Sheba Medical Center,
Affiliated to Tel Aviv University,
Tel Aviv, Israel

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Message from the Guest Editors

The cellular and molecular mechanisms underlying autoimmune diseases are complex and multifactorial, involving the dysregulation of various immune cell populations, genetic susceptibility, and environmental factors. Understanding these mechanisms is crucial for developing effective treatments and therapies for autoimmune diseases.

Recent technological and scientific advancements have led to novel approaches in studies of the cellular and molecular mechanisms of autoimmune diseases such as single-cell transcriptomics, which enables the analysis of gene expression in individual cells. High-throughput screening technologies have also been employed to identify novel targets for drug development. These techniques enable the rapid screening of large libraries of compounds to identify molecules that can modulate specific cellular pathways involved in autoimmune diseases.

The purpose of this Special Issue is to increase the depth of understanding pertinent to cellular and molecular mechanisms of autoimmune diseases, as well as to identify targets of novel therapy and possible side effects of immune blockage used in the treatment of autoimmune diseases.





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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