

Special Issue

Autoimmune Diseases: Immune Cells and Genetic and Epigenetic Regulations

Message from the Guest Editor

Autoimmune diseases represent a complex group of disorders characterized by the immune system mistakenly attacking the body's own tissues. These conditions can affect nearly any organ or tissue, leading to chronic inflammation, tissue damage, and varying degrees of functional impairment. This Special Issue will focus on the mechanisms underlying the disruption of immune tolerance in autoimmune diseases and recent approaches aiming to design novel therapeutic strategies for this group of disorders. Genes determining susceptibility to autoimmune diseases and their variants will be considered. The role of immune cells, including T Lymphocytes, B Lymphocytes, antigen-presenting cells, natural killer cells, and innate lymphoid cells, will be discussed. Epigenetic modifications, such as DNA methylation, histone modification, and non-coding RNAs, and environmental factors that can induce epigenetic changes, potentially triggering autoimmunity in genetically predisposed individuals, will also be discussed. Factual and review-type articles are welcome.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).