Special Issue

Regulatory T Cells and Autoimmune Diseases

Message from the Guest Editor

Regulatory T cells (Tregs) are a specialized subset of CD4+ T cells which exert immunosuppressive functions and play essential roles in maintaining immune homeostasis and immune tolerance. These cells are characterized by the expression of the master transcription factor forkhead box transcription factor (FoxP3) that controls their functions. Dysregulations of the Tregs population compromise the immunosuppressive functions of Tregs against self-tissue components and initiate the progression of numerous autoimmune diseases, including autoimmune thyroid disease (AITD), rheumatoid arthritis (RA), immunodysregulation polyendocrinopathy enteropathy X-linked syndrome (IPEX), systemic lupus erythematosus (SLE), multiple sclerosis (MS), type 1 diabetes (T1D), and inflammatory bowel disease (IBD). Thus, the complete understanding of how Tregs possess considerable importance in supervising the immune responses in autoimmune diseases and re-establishing self-tolerance is highly desirable. The purpose of this Special Issue is to collect reviews and original studies focusing on the role of Tregs in autoimmune diseases. For further information, please visit the Special Issue website.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2023)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/119205

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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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