Special Issue

Role of T Cells in Immune Disease Treatment

Message from the Guest Editor

The prevalence of autoimmune diseases is increasing worldwide, necessitating a clearer understanding of their pathogenesis. CD4+ T cell receptor (TCR) □□ T cells play a central role in autoimmune diseases through TCR-mediated recognition of autoantigens presented by major histocompatibility complex (MHC) class II molecules on dendritic cells. The central role of these T cells marks them and the molecular pathways mediating their effects as critically relevant targets for therapeutic intervention. During recent years, molecules involved in T cell activation pathways have been targeted by monoclonal antibodies (mAb) and are in clinical trials and in widespread clinical use in a variety of autoimmune diseases. Most recently, cell-mediated therapy has been used in limited clinical trials with marked success in previously nonresponsive diseases such as scleroderma and severe lupus nephritis. This unique collection of papers will further our understanding of the mechanisms underlying T cell involvement in autoimmunity and novel therapeutic developments in the field.

Guest Editor

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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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