Special Issue

B Lymphocytes in Auto-Inflammatory Diseases

Message from the Guest Editor

Ever since their discovery, B lymphocytes have gained wide attraction because of their importance in immune defense against a large number of threats. Studies of the phenotype of mice lacking B cells revealed that this cell subset is involved in 1) lymphoid organogenesis through expression of lymphotoxin-a1b2, 2) generation of follicular dendritic networks, 3) formation of follicle-associated epithelium in Peyer's patches, 4) differentiation of CD+ T cells and of a non-canonical subset of NK T cells, and 4) even tissue repair in the liver. In human, B cell depletion reduces inflammatory Th17 cells. Given the multifaceted functions of B cells in mammals, they are involved in the pathogenesis of several inflammatory disorders. A more profound understanding of the biology and functions of B cell subsets and their interplay with a variety of other cell types will be important for designing novel immuno-intervention strategies for a variety of auto-inflammatory diseases. For further reading, please visit the **Special Issue website**.

Guest Editor

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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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