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T Cell Responses in Human Health and Disease - Second Edition

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Message from the Guest Editor

Single-cell technologies, most importantly, single-cell transcriptomics, have entered human immunology and provided more insights into the heterogeneity of lymphocyte populations, thus unmasking novel players in disease pathogenesis and their respective phenotypes, functions and regulatory checkpoints. Investigations in the area of human immunology have also shifted from the blood to the peripheral tissues. We consider these tissue-resident T cells (TRM) to be critical for host defence, cancer and autoimmunity. And insights into identity of TRM cells in humans are just beginning to emerge. While previous years of human T cell research have centred on T cell stability versus plasticity and on cytokine networks, we now consider T cells to be more malleable with a multitude of external signals from the microenvironment. This includes not only their microbial antigens but also metabolites and even ionic signals. Taken together, human immunology has entered the centre stage in translational research due to its great impact on human health and disease. This Special Issue invites you to share your expertise in this research topic.



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Special Issue



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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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