

Special Issue

Gamma Delta T Cells (γδ T Cells) in Health and Disease: In Memory of Professor Wendy Havran

Message from the Guest Editor

Gamma/delta T cells differ from conventional alpha/beta T cells in that they recognize their ligands in an MHC/HLA-nonrestricted manner. Moreover, the germline repertoire of the gamma/delta variable T-cell receptor gene segments is much smaller compared to that of the alpha/beta T-cell receptor gene segments. Gamma/delta T cells recognize metabolites overproduced by stressed and transformed cells, as well as surface molecules upregulated upon cellular stress. Because of their potent anti-tumor activity, gamma/delta T cells have recently attracted much attention as effector cells for cancer immunotherapy. However, gamma/delta T cells also contribute to anti-infective immunity and are involved in autoimmunity. Increasing evidence also supports an important regulatory role of gamma/delta T cells in the interplay with other immune cells including alpha/beta T cells and dendritic cells.

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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