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

Guest Editor:

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Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Dieter Kabelitz
Guest Editor

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