

Special Issue

NK Cell Modulation by Human Cytomegalovirus

Message from the Guest Editor

Extensive research into the interaction between NK cells and HCMV have revealed that HCMV has evolved a number of virally-encoded NK cell immunomodulatory functions. Furthermore, HCMV shapes the NK cell repertoire of infected individuals. Mounting evidence of the immunogenetics of the HCMV-host interaction highlights the impact of host and viral genetics (HLA antigens, killer cell immunoglobulin-like receptors, viral genetic variants) on immune modulation and impact on the NK cell repertoire. This special issue aims to explore current research concerning NK immunomodulatory functions encoded by HCMV and the impact of HCMV/host genetics on the NK cell response. We invite submission of manuscripts concerning, but not limited to, the following key words regarding modulation of the NK cell response by HCMV.

- HCMV
- Natural Killer cell
- immunomodulation
- host genetics
- KIR
- HCMV genetic variation

We are pleased to invite you to contribute original articles, reviews, and communications, etc. We are looking forward to your contributions to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).