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Advances in the Study of Natural Killer (NK) Cells

Guest Editors:

Dr. Fuguo Liu

Massachusetts Institute of
Technology, Cambridge, MA, USA

Dr. Mubin Tarannum

Dana Farber Cancer Institute,
Harvard Medical School, Boston,
MA, USA

Dr. Yingjie Zhao

Massachusetts Institute of
Technology, Cambridge, MA, USA

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Message from the Guest Editors

Natural killer cells, identified by the expression of CD56 and lacking CD3 expression, are innate lymphocytes that can kill virally infected cells and tumor cells. Specialized NK cells are found in the placenta and may play critical roles during pregnancy. NK cell activation is controlled by a set of germline-encoded activating and inhibitory receptors, such as killer cell receptors (KIRs), natural cytotoxicity receptors (NCRs), DNAM, and TIGIT. In addition, CD16 expression on NK cells can also mediate antibody-dependent cellular cytotoxicity. Furthermore, NK cells can express a large range of cytokines that regulate the development of other types of cells.

This Special Issue of *Cells* will highlight NK cell biology and the application of NK cells in cancer immunotherapy through a collection of original research articles, reviews, and communications. We welcome studies related to this topic to be submitted to this Special Issue in order to promote the development of NK cell studies.



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Special Issue



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Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

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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Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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