

Special Issue

Regulation of Natural Killer Cell Development and Functions

Message from the Guest Editors

Natural killer (NK) cells are major innate lymphocytes. NK cells do not require prior antigen exposure to mediate antitumor cytotoxicity or pro-inflammatory cytokine production. NK cells only use non-clonotypic germline-encoded receptors that largely recognize “self-antigens”. The ability of NK cells to differentiate “missing-self” from “self” provides high clinical value in formulating immunotherapies against a broad spectrum of malignancies. Irrespective of these potentials, the signaling pathways and transcriptional regulation that govern NK cell development and functions remain far from fully defined. In this Special Issue of *Cells*, we invite authors to contribute original and review articles that focus on signaling molecules, transcription factors, developmental processes, functional analyses, and therapeutic formulations of murine or human NK cells. Through these broad-reaching goals of this Special Issue, we would like to provide an update on NK cell biology to the larger immunology community.

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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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