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Natural Killer (NK) Cells: From Virology to Cancer Immunotherapy

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Message from the Guest Editors

Dear Colleagues,

One of the foremost players of the innate immune system are the natural killer (NK) cells. NK cells have recently been grouped within the innate lymphoid cells (ILCs). NK cells are well known for their cytotoxic function against virus-infected cells and malignant cells.

The goal of this Special Issue is to present original research and review papers discussing the recent advancements in the role of NK cells in viral infections and the mechanisms by which viruses escape NK-cell-mediated killing. There will be scope to discuss the molecular mechanisms behind NK cell suppression in solid tumors, the role of specific NK cell subsets in chronic viral infection or cancer, the evaluation of different phenotypes between protective NK cells (antiviral, antitumoral) and inactivated NK cells, and identifying the signals or interactions that can change the NK cell response from suppression to activation. Finally, we are interested in learning how these learnings can be helpful for NK-cell-based cellular immunotherapy.



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Special Issue



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Message from the Editor-in-Chief

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