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Mast Cells in Immunity and Inflammation

Guest Editors:

Prof. Dr. Ehud Razin

Department of Biochemistry and
Molecular Biology, Institute for
Medical Research Israel-Canada,
Faculty of Medicine, The Hebrew
University of Jerusalem,
Jerusalem 91120, Israel

Dr. Sagi Tshori

1. Research Authority, Kaplan
Medical Center, Rehovot, Israel
2. Faculty of Medicine, The
Hebrew University of Jerusalem,
Jerusalem, Israel

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Message from the Guest Editors

Mast cells are widely distributed in connective tissues, express the high affinity receptor for the Fc portion of the IgE antibody (FcεRI) on their surface, and can secrete a plethora of mediators and cytokines. Mast cells can promote host resistance to a plethora of infectious agents but may also contribute to dysregulation of the inflammatory process both in response to infection and in autoimmune diseases. Mast cells can be considered sensors and regulators of immunity and inflammation and may act as a double-edged sword. Therefore, strategies aimed at modulating mast cell response are crucial.

This Special Issue offers an Open Access forum that aims to create a collection of original research and review articles addressing the important field of mast cell regulation of immunity and inflammation. Suggested potential topics may be:

Mast cell function in host response to infection and in autoimmunity, regulation of immune response and inflammation, modulation of mast cell response, cellular and molecular mechanisms mediating mast cell regulation, and the role of mast cells in SARS-CoV-2.



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Special Issue



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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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Cells Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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