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Major Histocompatibility Complex (MHC) in Health and Disease 2022

Guest Editors:

Message from the Guest Editors

Dr. Johannes M. Dijkstra

Dr. Jerzy K. Kulski

Dr. Nianzhi Zhang

Deadline for manuscript submissions: closed (30 April 2023) The major histocompatibility complex (MHC) antigen presenting molecules consist of two primary classes of glycoproteins that bind peptides derived from intracellular or extracellular antigens and play an integral role in adaptive and innate immune defense systems.

This proposed Special Issue of the MHC in Health and Disease is a follow-up to our first edition in 2019 where we published eighteen articles. These articles helped to further demonstrate the immense complexity and diversity of the MHC structure and function within and between different vertebrate species in regulating innate and adaptive immunity.

The aim of this second edition is to continue and expand our examination of the polymorphic MHC class I and class II genes, haplotypes, and molecules with an added focus on their cellular functions, molecular interactions and immunity-related networks in health and disease, together with self and non-self recognition, and their role in the susceptibility and resistance to SARS-CoV-2 infections and associated COVID-19 symptoms.



mdpi.com/si/111059







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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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Cells Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/cells cells@mdpi.com X@Cells_MDPI