

Special Issue

Mast Cells in Immunity and Disease: Second Edition

Message from the Guest Editors

Mast cells (MCs) are multifunctional cells participating in innate and adaptive immune processes. MCs participate in the detection of pathogens, wound healing, and cancer and tumor progression.

Inappropriate, recurrent mast-cell activation and the secretion of MC-derived mediators play an essential role in many human diseases: allergy, asthma, allergic rhinitis, urticaria, anaphylaxis, mastocytosis, etc. As the role of MCs has been demonstrated for several underlying molecular mechanisms in chronic diseases, the identification of novel therapeutic approaches and biomarkers is a key topic. We kindly invite researchers to submit manuscripts regarding the role, function, and therapeutic implications of acute and chronic diseases, which may have a direct potential impact on the management of these patients.

Guest Editors

Dr. Davide Firinu

Dr. Giovanni Paoletti

Dr. Giulia Costanzo

Deadline for manuscript submissions

closed (20 August 2025)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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