

Special Issue

Mast Cell Disorders: From Molecular Mechanisms to Therapeutic Approaches

Message from the Guest Editors

Mast cells are immune cells derived from the myeloid lineage. Mast cell progenitors emerge from the bone marrow, circulate, home to various tissues, and differentiate into mature mast cells. These cells express a high affinity Fc region of the IgE antibody (Fc ϵ RI) on their surface and can secrete a plethora of mediators and cytokines. Immediate-type hypersensitivity is the most known mast cell dysfunction. This Special Issue offers an open access forum for original research articles and reviews that will focus on mast cell disorders other than immediate-type hypersensitivity. Relevant disorders would be primary disorders, i.e., mastocytosis and mast cell activation syndrome (MCAS), and secondary disorders, e.g., infections, inflammatory bowel disease, asthma, tumor neovascularization, and atherosclerosis. Suggested topics include mechanistic insights, diagnostic tools, large-scale epidemiologic data, and therapeutic approaches.

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Message from the Editor-in-Chief

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.

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