



Mast Cells in Health and Disease

Guest Editors:

Prof. Dr. Gianni Marone

Department of Translational
Medical Sciences and Center for
Basic and Clinical Immunology
Research (CISI), University of
Naples Federico II, 80125 Napoli,
Italy

Dr. Gilda Varricchi

Department of Translational
Medical Sciences and Center for
Basic and Clinical Immunology
Research (CISI), University of
Naples Federico II, 80131 Napoli,
Italy

Deadline for manuscript
submissions:

closed (15 June 2019)

Message from the Guest Editors

Dear Colleagues,

Mast cells are hematopoietic cells that arise from pluripotent precursors in bone marrow. Mast cell progenitors circulate in the blood and complete their maturation in all vascularized tissues under the influence of local factors (e.g., cytokines, chemokines). Although mast cells are traditionally best known for their detrimental impact on allergic disorders, there is increasing evidence that they can also play homeostatic, protective, and immunoregulatory roles.

This Special Issue on “Mast Cells in Health and Disease” addresses the aforementioned immunological activities, receptor systems, activating stimuli, and signal transduction of mast cells. Furthermore, the role of mast cells in allergic disorders, mastocytosis and mast cell activation syndrome, autoimmune diseases, cardiometabolic disorders, infectious diseases, and cancer will be discussed.

We hope that this Special Issue will provide a platform for enhanced research on mast cell biology.

Prof. Gianni Marone

Dr. Gilda Varricchi

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI