



Mast Cells in Health and Disease

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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.

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Guest Editors





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Message from the Editor-in-Chief

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