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Mast Cell Development, Activation and Contribution to Health and Disease

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Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

Dear Colleagues,

In this Special Issue of *Cells*, we are inviting contributions either in the form of original research articles, reviews, or shorter perspective articles. Relevant topics include, but are not limited to:

- * Mast cell heterogeneity and plasticity, including (major and minor) mast cell subsets;
- * Mast cell development;
- * Mast cell relationship with other hematopoietic lineages;
- * Insights into mast cell activation by the allergic and the pseudo-allergic/neurogenic, (MRGPRX2-triggered) route;
- * Structure–activity relationships and chemical properties of MRGPRX2 ligands (agonists and antagonists);
- * Other mast cell receptors and their contribution to mast cell functional programs;
- * Mast cell survival;
- * Mast cell signal transduction;
- * Transcriptional regulation by transcription factors, epigenetic and other mechanisms, and MC-specific promoters;
- * Mast cell mediators and their regulation;
- * Mast cell communication with natural neighbor cells;
- * Beneficial functions of mast cells that safeguard health;
- * Novel deleterious roles of mast cells contributing to pathologies of various natures.



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Special Issue



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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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