

Special Issue

Interplay Between Blood Cells and Cytokines

Message from the Guest Editors

We invite researchers to contribute original manuscripts (research articles and reviews) to a forthcoming Special Issue focused on the intricate and dynamic interplay between blood cells and cytokines. Recent advances have significantly expanded our understanding of how cytokines associate, interact with, and regulate the development, function, and survival of various blood cell types. Conversely, blood cells are not merely passive responders but active participants in shaping the cytokine environment. Dysregulation in these interactions is central to a broad spectrum of pathologies, such as autoimmune disorders, infections, hematological malignancies, and cytokine release syndromes. Despite considerable progress, key questions remain unanswered. The field is now entering a critical phase where high-resolution technologies—such as single-cell omics and spatial proteomics—are uncovering novel regulatory circuits and cell-specific cytokine responses. We encourage submissions that address mechanistic insights, disease relevance, or translational aspects of blood cell–cytokine crosstalk. Both experimental and theoretical contributions are welcome.

Guest Editors

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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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