

## Special Issue

# The Role of Cytokines in Diseases

### Message from the Guest Editor

Cytokines are a diverse group of proteins that are critical for regulating immune responses and inflammation as they facilitate communication between immune cells in response to various stimuli, including pathogens, tissue damage, and cancer cells. An imbalance in cytokine production and activity can lead to autoimmune disorders, chronic inflammation, and cancer. The activation of cytokines is essential for initiating and maintaining immune responses to pathogen-associated patterns. We invite the submission of original research papers, case reports, clinical trials, and review articles on the following potential topics:

- Molecular regulation of cytokine activation.
- Cytokine roles in infection, cancer, and autoimmune disease pathogenesis.
- Molecular mechanisms of novel therapeutic approaches targeting cytokines.
- Monoclonal antibodies for treatment of cytokine-associated disorders.
- Genetic and epigenetic factors contributing to cytokine activation.
- The role of PAMPS, DAMPS, and PRRs in cytokine activation.
- Environmental factors influencing cytokine activation.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 May 2025)



## International Journal of Molecular Sciences

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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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### Editor-in-Chief

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