

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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closed (20 May 2025)



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