

## Special Issue

# The Role of Cytokines in Health and Diseases

### Message from the Guest Editor

Cytokines are key regulators of immune responses, playing essential roles in both health and disease. These signaling molecules mediate inflammation, tissue repair, and immune homeostasis, but their dysregulation contributes to various pathological conditions, including autoimmune diseases, infections, and cancer. In the tumor microenvironment, cytokines can either promote or suppress tumor progression by modulating immune cell activity. Recent research highlights their role in shaping anti-tumor immunity, influencing responses to immunotherapy, and mediating tumor-induced immune evasion. This Special Issue aims to explore the diverse functions of cytokines, from fundamental biology to clinical applications, shedding light on their therapeutic potential in disease management. We welcome original research and reviews that advance our understanding of cytokine signaling in health and disease, with a particular focus on translational and clinical implications. This Special Issue is supervised by and assisted by Dr. Yi-Ying Wu (National Chung Hsing University).

### Guest Editor

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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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