

Special Issue

Advanced Research on Chemokines and Chemokine Receptors

Message from the Guest Editor

Chemokines belong to a family of small cytokines; they promote the directional migration of leukocytes, endothelial and epithelial cells through binding to their specific receptors. They share a typical key structure that is stabilized by disulfide bonds between the cysteine residues at the NH₂-terminal of the protein. Chemokines are secreted by a great variety of cells. Their function is directly dependent on their interactions with their receptors. They are involved in many physiological processes, including but not limited to embryogenesis, bone remodeling, fracture healing and wound healing. They play a vital role in host defense mechanisms through the development and maintenance of innate and acquired immunity, but their chronic expression is linked with chronic diseases, delayed fracture and wound healing, and other health complications.

We invite scientists to submit articles about the latest discoveries which further our understanding of the function and role of chemokines and their receptors in different physiological and pathological processes, and about studies which explore strategies for the development of new molecules or drugs to modulate chemokines' functions.

Guest Editor

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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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