



Advanced Research on Chemokines and Chemokine Receptors

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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.





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Message from the Editor-in-Chief

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