Special Issue

The Role of Chemokines in Inflammatory Pathologies

Message from the Guest Editors

Chemokines play diverse and complex roles in a host of different inflammatory diseases, including wound repair, cancer, retinopathy, atherosclerosis, multiple sclerosis, inflammatory bowel disease, and allergy. The primary role of chemokines is to direct the migration of cells to sites of inflammation or injury in order to clear pathogens or unwanted modified lipids or proteins. Dysregulation of this process can, however, exacerbate disease. This has led to a host of different strategies designed to block chemokine activity. There are approximately 50 chemokines to date and whilst it was initially thought that there was a large amount of redundancy in chemokine signalling, more recent evidence points to more specific roles for each chemokine and chemokine receptor interaction. This therefore highlights the importance of understanding the function of each individual chemokine in more detail so the chemokine-directed therapies can be designed to target disease with great specificity and not incur unwanted off target effects. We invite scientists focussing on chemokine regulation in inflammatory pathologies to submit their original work or reviews. Both translational and basic research papers are welcome.

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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