

Special Issue

The Interleukin-6 Family in Disease Pathogenesis and Therapy

Message from the Guest Editors

The IL-6 family is a group of closely related pleiotropic cytokines produced by a variety of cells in response to inflammatory stimuli. They are related in structure and function and include IL-6, IL-11, leukemia inhibitory factor (LIF), Oncostatin M (OSM), IL-27, IL-31, etc. The actions of these cytokines are mediated through specific cell surface receptors and the shared signal transducing subunit, gp130. Subsequent signalling is mediated through a tight reciprocal regulation of either ERK-MAPK or JAK-STAT pathways, critical for the generation of physiological responses to IL6-family cytokines. Conversely, disturbance of this finely orchestrated signalling, leads to pathological responses. The IL-6 family stimulates the inflammatory and autoimmune processes in many diseases. Hence, there is a strong interest in developing agents against these molecules or their signalling pathways to treat disease. Articles (original and reviews) are being sought for a Special Issue highlighting the importance of the IL-6 family of cytokines in both health and disease and novel approaches to modulate their function.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2020)



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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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