Special Issue

The Molecular and Cellular Mechanisms of Inflammation and Tissue Regeneration

Message from the Guest Editor

Understanding the processes of inflammation and tissue regeneration after injury is of major scientific and clinical importance. Immune cells are a heterogeneous population of cells that acquire their functional specialization in response to micro-environmental alterations. For a long time, immune cells have been known to trigger inflammation and coordinate an efficient repair of damaged tissue. However, the molecular and cellular mechanisms by which they exert their effects are as yet mostly unknown. When repair is not coordinated, regeneration fails and fibrosis can take place. The investigation of immune cell sub-populations by different biological, molecular and cellular methods is essential in establishing new diagnostics for multiple diseases as well as therapeutic strategies for tissue repair. This Special Issue welcomes original articles and reviews focused on the molecular and cellular mechanisms of inflammation and tissue regeneration.

Guest Editor

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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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