Special Issue

Advances in Macrophage-Based Immunotherapy

Message from the Guest Editor

Adoptive cellular therapies are making major strides in the treatment of many diseases, especially in cancer and fibrosis. Amongst cell types used in immunotherapies, macrophages are prominent candidates. Macrophages have critical functions in both innate and adaptive immune responses. They are present in almost every tissue, recognize exogenous/endogenous danger signals through pattern-recognition receptors, produce cytokines/chemokines that orchestrate immune responses, function as professional antigen-presenting cells, and are important elements in wound repair and fibrosis by regulating extracellular matrix turnover. The diversity of functions they perform is due to the fact that their phenotype is highly plastic and exists across a spectrum of pro- and anti-inflammatory states. The Special Issue “Advanced in Macrophage-Based Immunotherapy” aims to collect information on the use of cell therapy in different pathologies, with a special interest in therapy that uses reprogrammed macrophages capable of limiting the pathology by modifying the microenvironment, favoring the cleaning of cancer and fibrotic cells or promoting regeneration, among other processes.

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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