

Special Issue

Macrophages in Health and Non-infectious Disease 2.0

Message from the Guest Editors

Having first been described more than 100 years ago, macrophages are still the focus of biomedical research. For about 50 years, they were considered solely as part of the defense against pathogens intruding an organism; however, unravelling the mechanisms of inflammatory reaction regulation made it clear that macrophages not only possess effector functions but also act as important regulators of inflammation. Apart from infectious diseases, it has been demonstrated that macrophages are actively involved in the pathogenesis of socially important non-infectious diseases, such as atherosclerosis, cancer, diabetes and others. These findings have expectedly led to the identification of macrophages as potential and highly attractive therapeutic targets. In this Special Issue, we want to collect the most recent publications on the mechanisms that macrophages use to regulate homeostasis and their involvement in the pathogenesis of non-infectious diseases. We also welcome research describing novel macrophage markers that reflect their functional state or are involved in macrophage tolerance and training as well as the interaction of macrophages with resident microbiomes.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2021)



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About the Journal

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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