

## Special Issue

# Advances in Immune Cell Biology: Insights from Molecular Perspectives

### Message from the Guest Editor

In recent years, immune cell biology has undergone significant advancements, shedding light on the mechanisms that regulate the behavior of immune cells in both health and disease. This Special Issue of *Biomedicine* invites authors to contribute original research papers and reviews on the molecular mechanisms underlying autoimmune, immunoinflammatory, and hematological disorders. This issue explores the molecular mechanisms that enable the differentiation of immune cells from precursor cells, their polarization into effector cells, and the functioning of the regulatory signaling pathways that shape immune responses. Additionally, it focuses on the processes of immune memory formation and on the genetic and molecular alterations leading to the transformation of normal immune cells into neoplasms. The primary goal is to expand our understanding of these diseases, paving the way for more targeted diagnostic and therapeutic approaches.

### Guest Editor

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### Deadline for manuscript submissions

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## Biomedicines

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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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### Editor-in-Chief

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