

## Special Issue

# Neutrophils, Fast and Strong

### Message from the Guest Editor

The history of medicine is also the history of our understanding of the role of neutrophils in the protection of our body. Further research only confirmed the unique role of neutrophils (polymorphonuclear leukocytes) as independent defenders and acting in interaction with other cells in protecting the host. A characteristic property of neutrophils is their ability to migrate and penetrate into the tissues, including the inflammation loci, tumor and central nervous system. In all places, the unique ability of neutrophils to activate and secrete aggressive products results in the destruction of pathogenic microorganisms, which finally leads to the damping of inflammatory processes. A detailed understanding of the functions of neutrophils will certainly help in understanding the mechanisms of the body's immune defense. The clinical significance of blood neutrophils, tumor-associated neutrophils, and COVID-19-associated neutrophils, as well as those associated with other pathologies, is well established. In this context, the study of the functions of neutrophils in health and disease is of great interest and importance.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2022)



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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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