



Neutrophil in Cell Biology and Diseases 2.0

Guest Editor:

Dr. Elena Mikhailchik

Federal Research and Clinical
Centre of Physical-Chemical
Medicine, Malaya Pirogovskaya
1A, 119992 Moscow, Russia

Deadline for manuscript
submissions:

closed (15 March 2024)

Message from the Guest Editor

Dear Colleagues,

Neutrophils are the first leukocytes recruited to infection sites. They are well known for their host defense activity; however, the physiological roles of neutrophils are not restricted to infectious diseases. Recent evidence has grown, suggesting the novel physiological roles of neutrophils in various conditions from steady state to various diseases. The unique niche of neutrophils in disease conditions comes from their functions resulting from activation. Furthermore, the existence of neutrophil heterogeneity in diverse pathophysiological conditions, similar to other myeloid lineage cells. Knowledge of the newly identified neutrophil population greatly contributes to our understanding of the functional roles of neutrophils in various pathological conditions.

This Special Issue is focused on the new molecular mechanisms involved in the regulation of neutrophil activity, the novel physiological role of neutrophils in diseases, as well as the heterogeneity of neutrophils in diverse diseases. Manuscripts that provide such information will be welcomed.

Dr. Elena Mikhailchik

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

International Journal of Molecular
Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI