



Current Trends of Neutrophil Biology 2.0

Guest Editor:

Prof. Dr. Yoshiro Kobayashi

Division of Molecular Medicine,
Department of Biomolecular
Science, Faculty of Science, Toho
University, Tokyo, Japan

Deadline for manuscript
submissions:

closed (31 July 2022)

Message from the Guest Editor

Dear Colleagues,

Research on neutrophil biology has been expanding recently. NETs formation, NETosis, and their role in diseases or their models is one such research area. Another area involves research on the fate of neutrophils during resolution, cell death, phagocytosis of dead neutrophils, and/or reverse migration. Upon inflammation, neutrophils are recruited to the site from the reservoirs by means of not only chemokines but also other mediators. Subsets of neutrophils have also been identified in various settings. Various hereditary diseases in mice and humans have also been described, unveiling the hitherto unrecognized regulatory mechanisms of neutrophil development. Taken together, I would like to urge researchers who have engaged in such research areas actively to provide along with their results, their thoughts and the current status of their research area, so that readers can enjoy reading innovative papers and that help predict the future directions of neutrophil biology.

Keywords

- NETs
- Recruitment
- Resolution
- Cell death
- Phagocytosis
- Reverse migration
- Neutrophil subsets
- Hereditary diseases





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