

Special Issue

Molecular Genetics and Cell Biology in Neuroblastoma

Message from the Guest Editor

Neuroblastoma (NB) is a pediatric tumor arising from the sympathetic nervous system. It is the most common cancer in infants and the third-most common cancer in children after leukemia and glioblastoma, accounting for 7% of cancers in childhood. NB is extremely heterogeneous, and it can spontaneously regress or rapidly metastasize and become therapy-resistant. In spite of intensive multimodal therapy, the rate of successful treatment of aggressive NB is still only 50%, with severe long-term consequences for patients who survive. NB still causes 15% of cancer-related deaths in children. There is a clear need for new NB therapy strategies. With the recent developments in high-throughput and single-cell sequencing and molecular profiling and advances in bio-informatics, the time has come for us to fully elucidate NB's complex etiology and identify novel and game-changing therapy targets. For this Special Issue, we invite manuscripts exploring NB etiology, NB classification, and novel NB therapies.

Guest Editor

Dr. Dirk Geerts

1. Department of Medical Biology, Amsterdam University Medical Center, 1105 AZ Amsterdam, The Netherlands
2. Department of Development, Glycostem Therapeutics BV, 5349 AB Oss, The Netherlands

Deadline for manuscript submissions

closed (31 October 2025)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/239551

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, MEDLINE, PMC, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)