

Special Issue

Hematopoietic Cell Lines as Models for Leukemia and Lymphoma

Message from the Guest Editor

Hematopoietic malignancies share the same tissue of origin but manifest as diverse entities, types, and subtypes. Hematopoietic cell lines are derived from patients with specific types of leukemia and lymphoma and bear the chromosomal, genomic, genetic, and functional characteristics of the original tumor. Accordingly, these cell lines represent faithful models to investigate carcinogenesis and treatment approaches in vitro. However, it is essential that they are authenticated and carefully characterized for their benefits as experimental models to be extracted correctly. While some leukemia/lymphoma types and subtypes are well covered by such models, other entities lack corresponding cell lines and deserve redoubled effort to close these gaps. This Special Issue seeks studies that describe novel hematopoietic cell lines or have used established cell lines for basic research as well as translational approaches, demonstrating their applications, advantages, and limitations.

Guest Editor

Dr. Stefan Nagel

Department of Human and Animal Cell Lines, Leibniz-Institute DSMZ, 38124 Braunschweig, Germany

Deadline for manuscript submissions

30 June 2026



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/244855

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

mdpi.com/journal/

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





Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



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



About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,
Copenhagen, Denmark

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).