

## Special Issue

# Hepatoblastoma: Molecular Mechanisms and Therapeutic Strategies

### Message from the Guest Editor

Hepatoblastoma (HB) is a rare yet highly aggressive primary liver malignancy that predominantly affects children under four years of age. Despite significant improvements in survival rates for low-risk patients through modern multidisciplinary treatments, the prognosis for recurrent, high-risk, or metastatic HB remains poor. Moreover, traditional chemotherapy continues to face challenges related to toxicity and drug resistance. In recent years, advancements in high-throughput sequencing and molecular pathology have shed light on the molecular characteristics of HB. The aberrant activation of key pathways such as Wnt/ $\beta$ -catenin and Hippo/YAP has been identified as a core mechanism driving HB development. These insights offer promising new avenues for the development of targeted therapies and personalized treatment strategies.

We invite contributions that address, but are not limited to, the following topics:

- Molecular pathogenesis;
- Molecular differences between HB and hepatocellular carcinoma (HCC);
- Molecular classification and prognostic biomarkers of HB;
- Novel targeted and immunotherapy strategies.

Both original research articles and high-quality reviews are welcome.

---

### Guest Editor

Dr. Edward V. Prochownik

Section of Hematology and Oncology, Children's Hospital of Pittsburgh, Rangos Research Center, Pittsburgh, PA, USA

---

### Deadline for manuscript submissions

31 March 2026



## Cells

---

an Open Access Journal  
by MDPI

---

**Impact Factor 5.2**  
**CiteScore 10.5**  
**Indexed in PubMed**



[mdpi.com/si/251640](https://mdpi.com/si/251640)

*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto: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, CAPus / 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 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).