

## Special Issue

# Diagnosis, Treatment and Management of Pediatric Gliomas in the Molecular Era

### Message from the Guest Editor

Pediatric gliomas present an extremely wide spectrum of diseases in terms of clinical outcome. During the last decade we got much closer to an understanding of the signal transduction and molecular background of different groups of gliomas, providing some hope for a possible better outcome in the near future. This Special Issue comprised of articles written by distinguished scientists will give an overview of recent advances in low- and high-grade pediatric gliomas in terms of molecular background, histology, classification, and treatment options, including surgical approach, molecularly targeted therapy, proton therapy, and immunotherapy. We do hope that this commonly devastating disease will soon show a remarkable improvement in outcome. Our aim with this Special Issue is to present an easily understandable insight into recent advances in pediatric gliomas to our colleagues whose work is not closely connected to pediatric brain tumors.

### Guest Editor

Dr. Peter Hauser

Velkey László Child's Health Center, Borsod-Abaúj-Zemplén County University Teaching Hospital, 3526 Miskolc, Hungary

### Deadline for manuscript submissions

closed (15 June 2021)



## Children

an Open Access Journal  
by MDPI

Impact Factor 2.1  
CiteScore 3.8  
Indexed in PubMed



[mdpi.com/si/67221](https://mdpi.com/si/67221)

*Children*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[children@mdpi.com](mailto:children@mdpi.com)

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





# Children

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 3.8  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Paul R. Carney

Departments of Child Health and Neurology, University of Missouri, 400  
Keene Street, Columbia, MO 65211, 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, PMC, Embase, and other databases.

#### Journal Rank:

JCR - Q2 (Pediatrics) / CiteScore - Q2 (Pediatrics, Perinatology and Child Health)