

## Special Issue

# Neuro-Oncological Advances in Stem Cell Research: A New Era in Brain Tumor Therapy

### Message from the Guest Editor

We invite all scientists working in brain tumors to participate in this Special Issue. We welcome original research articles, reviews, and perspective articles on all aspects related to brain tumor biology and therapy, with an emphasis on brain tumor stem cells as therapeutic targets and/or stem cell therapy as a new way to combat these tumors. We will consider different terminology for cancer stem cells: tumor stem cells, cancer stem-like cells, tumor-initiating cells, neurospheres, spheres, BTSCs, BTICs, and even side population cells.

Mesenchymal stem cells, able to deliver drugs or genes to tumor cells and cancer stem cells, will also be covered in SI, together with the use of iPSC and NK cells against brain tumor stem cells and other stem cell therapy approaches to combat brain tumors. Models such as patient-derived xenografts, organoids, and organ cultures are welcome. Relevant topics include, but are not limited to, the following: the genetic and epigenetic profiles of brain tumor stem cells, cell and molecular signaling, epithelial-to-mesenchymal transition, angiogenesis, migration and invasion, resistance to therapy, and molecular and cellular heterogeneity.

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### Guest Editor

Prof. Dr. Javier S. Castresana

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### Deadline for manuscript submissions

31 January 2026



## Cells

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## 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.

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### Editors-in-Chief

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#### High Visibility:

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#### 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).