



*cells*



an Open Access Journal by MDPI

## Stem Cells and Hearing Loss

Guest Editors:

**Prof. Dr. Brigitte Malgrange**  
GIGA-Stem Cells, GIGA Research  
Center, University of Liège, LIEGE  
4000, Belgium

**Dr. Subhajt Giri**  
GIGA-Stem Cell/Neuroscience,  
Université de Liège, 4000 Liege,  
Belgium

Deadline for manuscript  
submissions:  
**closed (15 February 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue is designed to stimulate an understanding of sensorineural hearing loss and provide a platform to exchange new concepts and ideas, focusing on induced pluripotent stem cells (iPSCs) and 3D-organoid-based disease modeling, genetic and epigenetic perturbation through CRISPR, and emerging innovative techniques and protocols. I am delighted to invite you to publish your research articles and review papers in this issue focused on the following domains.

1. iPSC-based investigation of inner ear development;
2. Cellular and molecular biology of inner ear development;
3. 3D-organoid-based disease modeling of hereditary deafness;
4. iPSC differentiation protocols toward sensory neurons and other inner ear components;
5. Emerging therapeutic application of CRISPR and iPSC for hereditary deafness;
6. iPSC-based disease modeling to study the effect(s) of environmental/toxic compound/idiopathic factors;
7. iPSC-based transdifferentiation toward cochlear hair cells.

We look forward to publishing your exciting and thought-provoking research communications.

Prof. Dr. Brigitte Malgrange  
Dr. Subhajt Giri



[mdpi.com/si/93245](https://mdpi.com/si/93245)

**Special Issue**



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

### **Prof. Dr. Alexander E. Kalyuzhny**

Neuroscience, UMN Twin Cities,  
6-145 Jackson Hall, 321 Church St  
SE, Minneapolis, MN 55455, USA

### **Prof. Dr. Cord Brakebusch**

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

## 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.

## 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](#), [CAPus / SciFinder](#), and [other databases](#).

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

## Contact Us

---

*Cells* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](#)