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Stem Cells and Hearing Loss

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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



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Special Issue



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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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