



cells



an Open Access Journal by MDPI

Neurodegenerative and Neurologic Disease: Genes, Mechanisms, and Therapies

Guest Editors:

Dr. Hans Zempel

Institute of Human Genetics,
50931 Köln, Germany

Dr. Natja Haag

Institute of Human Genetics,
University Hospital RWTH, 52074
Aachen, Germany

Prof. Dr. Juliane Bremer

Institute of Neuropathology,
University Hospital RWTH, 52074
Aachen, Germany

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

Apart from immortalized cell lines and mouse models, human-induced pluripotent cell (iPSC) lines and derived neuronal cells (e.g., neuronal precursor cells) and other vertebrate models (e.g., zebrafish) are demonstrating their usefulness in preclinical studies. In addition to pharmacological and surgical treatments, AAV-based and antisense oligonucleotide gene therapy is revolutionizing neurology. New vectors and genetic interference technologies are being constantly developed, but applications are still limited.

In this issue, we call for the submission of research articles using disease models, including human cells or animal models, as well as research on human material of affected patients. We aim to serve as a platform for studies dissecting disease mechanisms as well as the development and characterization of model systems to study human disease. We welcome studies focusing on developing and testing genetic and nongenetic therapies for human neurologic and genetic disease, in preclinical and clinical settings.



mdpi.com/si/88508

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](#), [CAPlus / 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

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](#)