

Special Issue

Neurodegenerative and Neurologic Disease: Genes, Mechanisms, and Therapies

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.

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Deadline for manuscript submissions

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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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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).