

Special Issue

Cellular and Molecular Mechanisms of Neurodegenerative Diseases

Message from the Guest Editor

Dear colleagues, Neurodegenerative diseases (Alzheimer's disease, Parkinson's disease, ALS, etc.) currently represent a major challenge to public health worldwide, especially as our population continues to age. Neurodegeneration is characterized by the progressive degeneration of specific neuronal populations driven by, as of yet, unknown cellular and molecular pathogenic mechanisms. Since there is no cure or effective treatment for these disorders, the characterization of the specific mechanisms that lead to neurodegeneration, as well as the identification of potential novel targets for the development of new therapeutic strategies, is a major priority in this field. The aim of this Special Issue is to provide an overview of the main cellular and molecular pathogenic mechanisms, elucidated thus far, that lead to the onset and progression of these devastating neurodegenerative disorders, highlighting both the common and specific pathways involved in each one of them.

Guest Editor

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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).