

Special Issue

Cellular and Molecular Mechanisms of Neurotoxicity

Message from the Guest Editors

Neurotoxins from external sources may be present in air pollutants, industrial chemicals, volatile gases, heavy metals, drugs, and other agents. Endogenous toxins can be produced through the altered metabolism of endogenous substances. The effects of toxins on the central and peripheral nervous system can lead to the degeneration and death of neuronal cells, and exposure to these substances has also been linked to the development of neurodegenerative diseases. This Special Issue will explore and provide a more comprehensive overview of the cellular and molecular mechanisms behind neurotoxicity and their connection to neurodegenerative conditions. The role of glial cells in neurotoxic mechanisms and the mechanisms by which neurotoxins cross or damage the blood–brain barrier are also of interest. Researchers are invited to contribute original research articles and reviews on the interactions of exogenous or endogenous neurotoxins with the nervous system, as well as their link to neurodegenerative diseases. Contributions highlighting disease models, human neuropathology, neuroinflammatory conditions, and cellular and molecular studies are welcome.

Guest Editors

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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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