Special Issue

The Role of Glial Cells in Neurodegenerative Disorders

Message from the Guest Editors

The concept behind glial cells as merely a support system for neurons has radically changed over the years, now considered as being dynamic players in the nervous system physiology and having crucial roles during disease. Increasing evidence indicate that altered glial activity is a key feature of many neurological diseases, suggesting that alterations in their function may considerably exacerbate nervous system diseases or even initiate them. These reports open the possibility for new therapeutic approaches focused on maintaining proper glial function or correct imbalances in glial physiology. This Special Issue will focus in the scientific progress made to understand the role of glial cells in the neuropathology of the nervous system. We welcome submissions motivated by the study and understanding of the cellular and molecular mechanisms that control glial cell function in neurodegenerative diseases, including, but not limited to, research on astrocyte, oligodendrocyte and microglial function in pathologies such as Alzheimer's disease, Parkinson's disease, Amyotrophic lateral sclerosis and Huntington disease.

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Message from the Editor-in-Chief

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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