

## Special Issue

# Role of Glial Cells in Neuropathic Pain

### Message from the Guest Editor

Neuropathic pain is chronic pain caused by damage or dysfunction of the nervous system. It is a neurological disorder, yet the pathogenic mechanism is elusive, and thus efficient treatment is absent. Neuroscience has revealed glial cells play key role in neuropathic pain. Aberrant activation of microglia and astrocyte after peripheral nerve injury causes central sensitization by affecting pain transmitting neurons or neural circuits in the central nervous system via diverse pathways. More recently, peripheral glia is also implicated in the development of central and peripheral sensitization. Therefore, glial cells have emerged as novel cellular targets for the treatment of neuropathic pain. In this Special Issue, we invite investigators to contribute original research or review articles that highlight recent advances. The topics include but are not limited to the following:

- Role of glia in neuropathic pain
- Molecular and cellular mechanisms of gliopathic central and peripheral sensitization
- Mechanisms of glial cell activation in neuropathic pain
- Sexual dimorphism of gliopathic pain
- Glia-targeting drug or treatment strategy for neuropathic pain

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2023)



## Cells

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*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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