



## Molecular Mechanisms of Nerve Injury and Neuropathic Pain

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### Message from the Guest Editors

Neuropathic pain is caused by lesions or diseases of the somatosensory system and is a major public health issue in the world. It is characterized by increased responses to nociceptive stimuli (hyperalgesia), unpleasant and abnormal sensations (dysesthesia), and pain in response to light tactile stimuli (allodynia). Studies show that neuropathic pain involves a series of pathophysiologic events when the nerve is damaged, including neuronal hyperexcitability, changes in perineuronal homeostasis, and neurogenic inflammation. Although the treatment for neuropathic pain remains a great challenge, progress has been made in identifying key molecules and their roles in pain modulation and processing. The purpose of this topic is to gather original research articles, reviews, and perspectives to advance our understanding of novel neuropathic pain-related molecules and signaling pathways that can be used as therapeutic targets for the treatment of pain.





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