



Innovations in Nerve Regeneration

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Message from the Guest Editor

Peripheral nerve injuries and neurodegenerative conditions have long been challenging the medical community due to their complex etiology and lack of effective treatment options. As a result, researchers have been exploring novel approaches to address these debilitating conditions, focusing on the regeneration and repair of damaged nerve tissue. This Special Issue aims to highlight the recent developments in tissue engineering, drug delivery systems, and stem cell therapy that have shown promising outcomes in nerve regeneration. The use of biocompatible and biodegradable materials, such as hydrogels, nanofibers, and scaffolds, has been reported to support the growth of new nerve tissue and promote functional recovery after injury.

The Special Issue is dedicated to highlighting the ground-breaking advancements in the field of nerve regeneration, focusing on the latest technologies, methodologies, and biomaterials that have shown promising results in the treatment and management of peripheral nerve injuries and neurodegenerative diseases.





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