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Signaling Pathways, Development, and Biomarkers in Neuropathy

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Message from the Guest Editors

Dear Colleagues,

Neuropathy is damage or dysfunction of one or more nerves that typically results in numbness, tingling, muscle weakness and pain. In addition, neuro-inflammation plays an important role in the course of chronic sciatic injury. Inflammatory factors at damaged nerves stimulate excessive activation of glial cells, which then causes neuropathic pain. Molecular mechanisms that underlie the sensitization of primary afferent nociceptors include upregulation of voltage-gated sodium channels and various receptor proteins, and the release of growth factors from degenerating nerve fibers. Therefore, molecular therapy is an important role on neuropathy. The aim of this Special Issue to highlight researcher's recent significant pilot or meta-analysis results related to therapy in neuropathy including gene therapy, potential biomarker, and signal pathway.



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Special Issue