

Special Issue

Therapeutic Strategies to Spinal Cord Injury

Message from the Guest Editor

Traumatic spinal cord injury (SCI) results in an immediate loss of motor and sensory function below the injury site and is associated with a poor prognosis. Current treatment modalities are focused on minimizing secondary injury and maximizing residual function via rehabilitation. Strategies that demonstrate promising results are performed in areas such as cellular therapy, growth factors (BDNF), inhibitory molecules, fibroglial scar, gene therapies, etc. Other promising experimental treatments focus on neuroprotection with hypothermia and pharmacologic therapies, regeneration facilitation via biomaterial transplantation, and rewiring with electrical stimulation. This Special Issue intends to provide the most relevant information about available up-to-date therapeutic strategies that are administered alone or in combination with others, and have offered the best results in neural regeneration after spinal cord injury.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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