



## Therapeutic Strategies to Spinal Cord Injury

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Deadline for manuscript  
submissions:

**closed (20 April 2018)**

### Message from the Guest Editor

Dear Colleagues,

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.

Assoc. Prof. Pavla Jendelova

*Guest Editor*





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