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Pathophysiology of Spinal Cord Injury (SCI)

Guest Editors:

Dr. Cédric G. Geoffroy
Department of Neuroscience & Experimental Therapeutics, College of Medicine, Texas A&M Health Science Center, Bryan, TX 77807, USA

geoffroy@tamu.edu

Dr. Warren Alilain
Spinal Cord and Brain Injury Research Center, Department of Neuroscience, University of Kentucky, College of Medicine, Lexington, KY 40536, USA

warren.alilain@uky.edu

Deadline for manuscript submissions:
31 July 2021

Message from the Guest Editors

Spinal cord injury (SCI) leads to paralysis, sensory, and autonomic nervous system dysfunctions. However, the pathophysiology of SCI is complex, not limited to the nervous system. Indeed, several other organs and tissue are also affected by the injury, directly or not, acutely or chronically, which induces numerous health complications. While a lot of research has been performed to repair motor and sensory functions, SCI-induced health issues are less studied, although they represent a major concern among patients. There is a gap of knowledge in pre-clinical models studying these SCI-induced health complications that limits translational applications in humans.

In this Special Issue of *Biology*, we encourage the submission of manuscripts on any aspects of the pathophysiology of spinal cord injuries. This includes, but is not limited to, the impact of SCI on cardiovascular function, bladder and bowel function, risk of infections associated with SCI, liver pathology, metabolic syndrome, bones and muscles loss, and cognitive functions. We welcome original research articles, review articles, and short communications. This Special Issue will provide an overview of the pre-clinical models available to study the pathophysiology of SCI, and bring experts in the field to discuss what is needed to increase the research and translational potential of SCI-induced health complications.

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Editor-in-Chief

Prof. Dr. Chris O'Callaghan
Centre for Cellular and Molecular Physiology, Nuffield Department of Clinical Medicine, University of Oxford, Roosevelt Drive, Oxford, OX3 7BN, UK

Message from the Editor-in-Chief

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Contact Us

Biology
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
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