

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

Assoc. Prof. Pavla Jendelova

Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, Videňská 1083, Prague 142 20, Czech Republic

Deadline for manuscript submissions

closed (20 April 2018)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/9344

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)