

Special Issue

Advances in Peripheral Nerve Regeneration

Message from the Guest Editor

Unlike the central nervous system, the peripheral nervous system is able to regenerate promptly the following injury. Its regenerative capacity is largely related to the ability of Schwann cells to dedifferentiate and drive axonal regrowth. Peripheral nerve regeneration is, however, limited in space and time. There is, therefore, a compelling need to develop strategies aimed at promoting peripheral nerve regeneration, especially in elderly individuals and those with other concomitant diseases (e.g., diabetes). This Special Issue aims to gather contributions regarding different aspects underlying axonal regrowth following tissue injury. Articles describing the complex interplay between peripheral nerve and cancer will also be considered. This is a non-exhaustive list of topics that will be covered in this Special Issue:

Schwann cell biology
Biomaterials and nerve scaffolds
Neurotrophic and gliotrophic factors
Inflammatory cytokines
Nerve/tumor crosstalk

Guest Editor

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Message from the Editor-in-Chief

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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