

## Special Issue

# Emerging Strategies for Regulating the Axonal Growth, Guidance and Neural Tissue Regeneration

### Message from the Guest Editor

Injuries to the nervous system often result in debilitating functional impairment and reduced quality of life, which often results in major socioeconomic change. Currently, existing diagnostic and therapeutic options for addressing this issue are suboptimal. Thus, there is an urgent need for new and innovative strategies for effective management of differential pathologies resulting from traumatic and nontraumatic forms of neuronal injuries. Therefore, for this Special Issue, we are inviting the submission of research articles considering the following topics: -Engineered biomaterials, bioengineered cells and tissues; - Nanomedicine and targeted drug delivery; -Multiomics covering the proteomic, genomic and transcriptomics of tissues with changing functions and anatomy; - Bioelectronics as a potential therapeutic intervention; - Cellular and molecular neurobiology; -Regeneration of peripheral and central nervous system;

### Guest Editor

Dr. Srinivas Madduri

Bioengineering and Regenerative Medicine, Department of Biomedical Engineering, University of Basel/University Hospital, Basel, Switzerland

### Deadline for manuscript submissions

closed (31 March 2024)



## International Journal of Molecular Sciences

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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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### Editor-in-Chief

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