



Innovations in Nerve Regeneration

Guest Editor:

Dr. Yiu Yan Leung

Oral and Maxillofacial Surgery,
Faculty of Dentistry, The
University of Hong Kong, Hong
Kong, China

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editor

Peripheral nerve injuries and neurodegenerative conditions have long been challenging the medical community due to their complex etiology and lack of effective treatment options. As a result, researchers have been exploring novel approaches to address these debilitating conditions, focusing on the regeneration and repair of damaged nerve tissue. This Special Issue aims to highlight the recent developments in tissue engineering, drug delivery systems, and stem cell therapy that have shown promising outcomes in nerve regeneration. The use of biocompatible and biodegradable materials, such as hydrogels, nanofibers, and scaffolds, has been reported to support the growth of new nerve tissue and promote functional recovery after injury.

The Special Issue is dedicated to highlighting the ground-breaking advancements in the field of nerve regeneration, focusing on the latest technologies, methodologies, and biomaterials that have shown promising results in the treatment and management of peripheral nerve injuries and neurodegenerative diseases.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

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](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Contact Us

Bioengineering Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)