



Machine Learning-Based Heart, Brain and Nerve Tissue Engineering

Guest Editor:

Dr. Chung Tin

Department of Biomedical
Engineering, City University of
Hong Kong, Hong Kong

Deadline for manuscript
submissions:

closed (18 March 2022)

Message from the Guest Editor

The last decade has seen a unprecedented growth in the success of machine learning in a variety of applications. We have also seen a fast growth in the use of advanced machine learning techniques in biomedical related applications. However, researchers face new challenges in dealing with these biomedical data. For example, labeled biomedical data is limited and the labeling is expensive. Furthermore, significant subject variability challenges the performance of the algorithms for real-life use.

In this Special Issue, we would like to invite submissions for innovative research in the development of advanced machine learning algorithms, efficient implementation of such algorithms and smart point-of-care and wireless devices for biomedical applications in heart, brain and nerve tissue.





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](#), [CAPlus / 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)