Biomedical Application of Big Data and Artificial Intelligence

Guest Editors:

Dr. Yan Pei
School of Computer Science and Engineering, The University of Aizu, Aizuwakamatsu 965-8580, Japan

Dr. Jijiang Yang
Tsinghua National Laboratory for Information Science and Technology, Tsinghua University, Beijing 100084, China

Deadline for manuscript submissions:
closed (31 May 2024)

Message from the Guest Editors

Big data is pervasive and innately interdisciplinary, and its primary research subject does not only relate to the amount of data but also to how to develop effective and efficient analytics methods and algorithms for knowledge discovery. Artificial intelligence is one of the new methodologies to advance data science, data mining, and medical and health informatics using the theory and methodology of big data. Big data and artificial intelligence provide more research opportunities in biomedical practices and applications.

This Special Issue provides a framework to discuss and study biomedical applications from the perspectives of big data and artificial intelligence. We invite researchers to contribute comprehensive reviews, case studies, and research articles in the field of theoretical and methodological interdisciplinary big data and artificial intelligence for biomedical applications. In particular, artificial intelligence and big data technologies specifically devised, adapted, or tailored to address problems in biomedical applications that were demonstrated to be particularly effective at being solved by artificial intelligence and big data technologies are welcome.

mdpi.com/si/138840

Special Issue

bioengineering

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