

Special Issue

Machine Learning in Healthcare

Message from the Guest Editors

This Special Issue addresses two major and interrelated themes. The first is focused upon machine learning research in healthcare, with special emphasis on advances in computer vision, sequence models and transformers, and generalized ML and DL methodologies that apply to non-image and non-temporal data. The second is focused upon challenges of ML operationalization from both clinical and engineering perspectives. In the latter, we welcome submissions related to ML in production, explainable AI, ML monitoring, and integration with clinical workflows. Our main goal is to stimulate discussion between ML researchers, technologists, and healthcare domain experts, across academia and industry, to meet the common goal of delivering reliable, fair, and high-performance ML applications in healthcare.

Guest Editors

Dr. Renato Umeton

Department of Informatics & Analytics, Dana-Farber Cancer Institute, Boston, MA 02215, USA

Dr. Gregory Antell

Dana-Farber Cancer Institute, Boston, MA, USA

Deadline for manuscript submissions

closed (30 April 2021)



Informatics

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 8.4



mdpi.com/si/51426

Informatics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
informatics@mdpi.com

[mdpi.com/journal/
informatics](https://mdpi.com/journal/informatics)





Informatics

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 8.4



[mdpi.com/journal/
informatics](https://mdpi.com/journal/informatics)



About the Journal

Message from the Editor-in-Chief

Informatics (ISSN 2227-9709) is an international, peer-reviewed, open access journal, which publishes original theoretical and empirical work on the science of informatics and its application in multiple fields. Our concept of Informatics includes technologies of information and communication as well as the biological, social, linguistic and cultural changes that initiate, accompany and complicate their development. *Informatics* publishes regular research articles, reviews and short notes. There is no restriction on the length of papers, and we encourage researchers to publish their theoretical and empirical results in as much detail as possible. The scientific community and the public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Antony Bryant
School of Built Environment, Engineering, and Computing, Leeds
Beckett University, Leeds LS6 3QS, UK

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, and other databases.

Journal Rank:

CiteScore - Q1 (Communication)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 32.1 days after submission; acceptance to publication is undertaken in 4.2 days (median values for papers published in this journal in the second half of 2025).