

Special Issue

AI-Driven Precision Medicine: Innovations in Diagnosis, Prognosis, and Management Response

Message from the Guest Editor

The integration of artificial intelligence (AI) is rapidly transforming the landscape of healthcare, offering unprecedented opportunities for innovation in diagnostics, prognostics, and therapeutic guidance. This Special Issue aims to bring together cutting-edge research on AI-powered solutions that advance the paradigm of precision medicine. We welcome original research articles and comprehensive reviews that explore the development, validation, and clinical application of AI algorithms. Topics of interest include, but are not limited to, the following:

- AI in medical image analysis (e.g., radiology, pathology) for lesion detection, segmentation, and classification.
- The application of large language models (LLMs) for structuring electronic health records and generating clinical decision support insights.
- The use of machine learning for predicting treatment response and identifying resistance mechanisms from multi-omics data.
- The development of novel prognostic and predictive biomarkers using deep learning.
- AI-powered tools for personalized risk stratification and disease progression modeling.

Guest Editor

Prof. Dr. Feng Gao

1. Department of Colorectal Surgery, The Sixth Affiliated Hospital, Sun Yat-sen University, Guangzhou, China
2. Guangdong Institute of Gastroenterology, Guangdong Provincial Key Laboratory of Colorectal and Pelvic Floor Diseases, Guangzhou, China

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

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Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* 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. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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