

Special Issue

Technologies in the Diagnosis of Lung Diseases

Message from the Guest Editor

In recent decades, great advances have been made regarding the treatment of various lung diseases, but considerable heterogeneity in the treatment response remains present. In this context, precision medicine aims to account for inter-individual variability and provide a more targeted approach to patient care, enhancing the accuracy of diagnosis, the prediction of prognosis, and the efficacy of treatment. Physiological measurements, medical imaging, and measurements obtained from biological samples from the cellular to the molecular level represent relevant biomarkers. Advances in radiology and image processing techniques have enhanced the diagnostic possibilities in terms of both sensitivity and non-invasiveness. The development of wearable devices has applicative prospects for the real-time assessment and monitoring of respiratory function. Additionally, machine learning, when applied to multi-omics features, has introduced the possibility of screening for the potential biomarkers of susceptibility.

Guest Editor

Dr. Francesca Pennati

Dipartimento di Elettronica, Informazione e Bioingegneria, Politecnico di Milano, 20133 Milan, Italy

Deadline for manuscript submissions

closed (31 December 2024)



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/179770

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

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





Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



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



About the Journal

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).