

Special Issue

Recent Advances in the Diagnosis and Prognosis of Lung Cancer

Message from the Guest Editor

Lung cancer persists as one of the most widespread and lethal malignancies globally, driving the urgent need for innovative diagnostic and prognostic strategies to improve survival and patient outcomes. This Special Issue spotlights cutting-edge research and technological advancements reshaping the field, with a dual emphasis on precision detection and personalized prognostication. At the forefront of diagnosis, emerging imaging modalities, molecular biomarker discovery, and genomic profiling are revolutionizing early detection and diagnostic accuracy. These tools address critical challenges such as tumor heterogeneity and late-stage presentation, offering hope for timely intervention. Complementing these advances, artificial intelligence (AI)-driven predictive models and genomic signatures are redefining prognostic paradigms, enabling clinicians to stratify risk, predict therapeutic response, and tailor management plans to individual patients. By synthesizing contributions from leading researchers and clinicians, this issue provides a comprehensive examination of both current innovations and future trajectories in lung cancer care.

Guest Editor

Prof. Dr. Naomi Takemura

School of Nursing, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong

Deadline for manuscript submissions

10 December 2025



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/237553

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 3.0
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, CAPlus / 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 20.3 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2024).