

## Special Issue

# Deep Learning and Large Models in Ophthalmic Innovations

### Message from the Guest Editors

Recent years have witnessed remarkable progress in ophthalmic imaging and artificial intelligence, transforming our ability to detect, characterize, and predict ocular and systemic diseases. Advanced deep learning models and the rapid emergence of large foundation models have demonstrated unprecedented capabilities in automated image interpretation, multimodal data integration, clinical decision support, and the discovery of novel imaging biomarkers. These innovations are reshaping ophthalmology, from retinal and anterior-segment imaging to disease monitoring, risk stratification, and precision treatment planning.

We invite outstanding researchers to contribute to this Special Issue. Submissions include, but are not limited to: ophthalmic image analysis; deep learning or transformer-based architectures; large vision or vision–language models; multimodal learning; generative AI; explainable and trustworthy AI; and clinical applications in screening, diagnosis, and prognosis. This collection aims to highlight the transformative potential of modern AI technologies in ophthalmology and to inspire the next generation of intelligent, clinically actionable ophthalmic innovations.

---

### Guest Editors

Prof. Dr. Yanwu Xu  
Dr. Weihua Yang  
Dr. Huihui Fang

---

### Deadline for manuscript submissions

31 December 2026



## Diagnostics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.9  
Indexed in PubMed



[mdpi.com/si/263452](https://mdpi.com/si/263452)

*Diagnostics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[diagnostics@mdpi.com](mailto: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 21.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).