

## Special Issue

# Deep Learning Applications in Ophthalmology

### Message from the Guest Editors

Deep learning approaches to big data and image analysis open new possibilities in ophthalmology and could have a substantial impact on clinical ophthalmology. However, further research on prospective validation and deep learning applications in real-world clinical settings are still warranted. Other hurdles, such as a lack of labelled data, patient privacy, and low generalizability, also need to be overcome in order to make deep learning implementation available in clinical practice. This Special Issue aims to gather a collection of cutting-edge research on deep learning methods in ophthalmology that have specific implications for ocular diseases screening, diagnosis, and management. We welcome submissions on, but not limited to, the following topics:

- Diagnostic deep learning applications in ophthalmology;
- Prognostic deep learning application in ophthalmology;
- Deep learning-based treatment outcome assessment and prediction in ophthalmology;
- Deep learning implementation in clinical practice.

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### Guest Editors

Dr. Carol Y. L. Cheung

Prof. Dr. Haotian Lin

Dr. Anran Ran

Dr. Duoru Lin

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### Deadline for manuscript submissions

closed (30 April 2023)



## Diagnostics

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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.

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### Editor-in-Chief

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