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Biomedical Imaging and Analysis of the Eye

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Message from the Guest Editors

The eye is an important aspect of human health since people rely on their eyes to see and make sense of the world around them. Investigating the condition of the eye is not only important to identify the eye diseases itself but also to predict the risk of other non-ocular diseases such as diabetes, anemia, cardiovascular risk, chronic kidney disease, and other systemic parameters.

The scope of this Special Issue is to provide a forum across medical imaging modalities and machine/deep learning tools to advance the development of algorithms, systems, and clinical applicability for imaging and analyzing the eye. We welcome both original research and review articles. Potential topics include but are not limited to the following:

- Advanced imaging technique and system for the eye;
- Machine- or deep-learning-based image analysis using eye imaging;
- Imaging-guided eye surgery and treatment;
- Image processing in ocular imaging;
- Mathematical or statistical modeling of the eye;
- Multi-dimensional and multi-modality fusion ocular imaging.



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Special Issue



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Message from the Editor-in-Chief

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