



Metabolic Studies in Ophthalmology and Visual Science

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Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

Metabolomics studies have identified a range of abnormal metabolic changes occurring in numerous ocular diseases, contributing to the understanding of that mechanism of disease.

There are two important directions in the metabolomics research of ocular diseases.

- Firstly, the blood–eye barrier keeps the intraocular metabolic environment in a relatively stable state in the general circulation of the body, and metabolomic methods for the investigation of intraocular metabolic changes associated with eye diseases are an important research direction.
- Secondly, it is necessary to develop strategies for the accurate prediction of ocular disease through changes in the body's macroenvironmental metabolism with minimal trauma.

Therefore, this Special Issue presents a set of original research and review articles highlighting the latest findings and advances in the field of metabolic abnormalities in ocular diseases. In terms of improving our understanding of the metabolic physiology/biology of ocular disease, it is possible to contribute to a new understanding, which will lead to the generation of new therapeutic approaches.





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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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