Special Issue

Metabolic, Structural and Functional Alterations in Patients with Atrophic Diseases of the Retina

Message from the Guest Editor

Normal structural and functional integrity of all retinal layers are required in order to maintain proper retinal function. Comparable with the human brain, the retina is known to share the highest metabolic exchange in the body. Oxygen is known to be the most supplied metabolite in the retina, and regulation of adequate oxygen supply and cellular energy metabolism is required to maintain healthy retinal function. This regulation is especially critical to the photoreceptors, ganglion cells and their axons, where energy consumption is highly dynamic. This Special issue focuses on investigating the effect of retinal structural and functional alterations on metabolic function in atrophic diseases of the retina.

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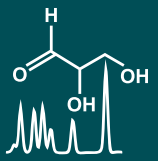

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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