Personalized Medicine in Ophthalmic Diseases: Challenges and Opportunities

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Message from the Guest Editors

Dear Colleagues,

Personalized medicine was adopted early in ophthalmology and was mainly achieved through disease stratification and individualization. Therefore, diagnostic techniques capable of realizing comprehensive individual assessments are very important. Previous studies put forward techniques such as next-generation sequencing and translational research. Gene-therapy-based treatment trials have been presented for ophthalmic diseases, such as retinitis pigmentosa and age-related macular degeneration. Recently, with the rapid development of artificial intelligence and interdisciplinary collaboration, concepts such as machine learning and wearable devices have been frequently raised in ophthalmic research, potentially proving to be promising novel methods for the realization of personalized ophthalmology. In this Special Issue, we would like to explore methods with the aim of achieving personalized diagnoses and treatments of ophthalmic diseases.

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Special Issue

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Message from the Editor-in-Chief

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