

Special Issue

Novel Biomarkers in Eye Diseases

Message from the Guest Editor

This Special Issue will explore biomarkers in eye diseases and their usefulness as indicators of pathological processes (diagnosis) or pharmacologic responses to a therapeutic intervention (precision medicine). Although the relevance of biomarkers in differential diagnosis is indisputable, the debate around the usefulness of eye biomarkers in ophthalmological practice is intensifying. Most biomarkers are found through expansive explorative studies on eye tissues and ocular fluids collected in the clinic and/or during surgery. Some biomarkers have been identified as key mediators of ocular inflammation, while others have been related to matrix remodeling, profibrogenesis, and angiogenesis/vasculogenesis. The concept of the eye as a mirror of the brain or gut has increased the interest in the utilization of tear biomarkers as indicators in the early diagnosis of diseases linked to the brain–gut–eye axis. We welcome original research and review articles covering any aspect of eye biomarkers detected using different biological matrix and devices, conventional tests, array chips, and next-generation microfluidic chips.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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