

Special Issue

Cell Therapy in Ophthalmological Disease

Message from the Guest Editor

This Special Issue explores cutting-edge research and innovations aimed at regenerating ocular defects, assessing treatment efficacy through novel in vitro models, and introducing new cell therapies. Stem cell-based therapies show potential in repairing damaged retinal tissue and restoring visual function. Advances in gene editing techniques offer precise tools for correcting genetic mutations implicated in inherited eye disorders. In vitro models have evolved significantly, providing more accurate platforms to evaluate the efficacy and safety of cell therapies. Organoid cultures derived from patient-specific cells allow researchers to mimic complex ocular tissues, facilitating personalized treatment strategies. Novel cell therapies are emerging as promising treatments for a spectrum of ocular diseases. This Special Issue consolidates the latest research advancements, offering insights into the future landscape of ophthalmological cell therapy. By highlighting innovative approaches and transformative therapies, it seeks to catalyze further progress in the field, ultimately enhancing the quality of life for patients with ocular diseases.

Guest Editor

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Editor-in-Chief

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