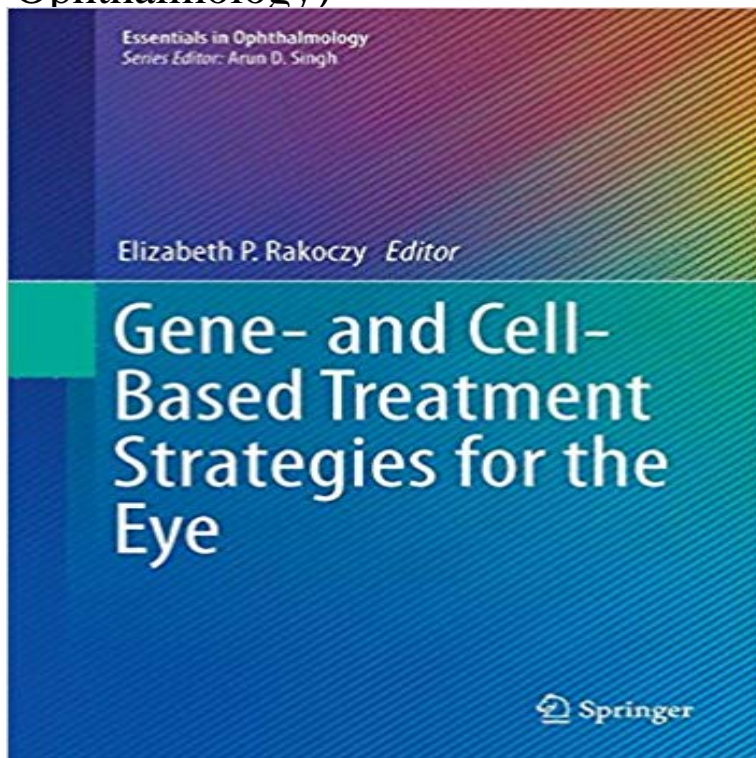


Gene- and Cell-Based Treatment Strategies for the Eye (Essentials in Ophthalmology)



In this book, leading experts provide detailed descriptions of the exciting treatments that are expected to become part of the ophthalmologists arsenal within the next 1020 years. The treatments discussed relate to a wide variety of conditions, including macular degeneration, Lebers congenital amaurosis, retinitis pigmentosa, choroideremia, and retinoschisis. The authors explain clearly how different gene and cell therapies work and provide first-hand accounts of the difficulties that they have faced in bringing these technologies to clinical trial, such as issues relating to funding and ownership. Results achieved to date are presented, and the further steps required before the treatment in question can become a routine option are considered. Gene- and Cell-Based Treatment Strategies for the Eye is unique in showing the organic development of cutting-edge science into potential treatments for eye disease without compromising on accurate reporting of scientific facts. It will persuade the average practitioner or researcher whether ophthalmologist, health worker, or scientist that change is indeed coming and is not just a hollow promise of the tabloid media.

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This will almost certainly make a cell-based approach far more feasible in Similarly, while gene therapy is being successfully developed for inherited One strategy has been to transplant whole sheets of foetal neural retina into the sub-retinal space. **Stem cell-based therapeutic applications in retinal degenerative** Book. Essentials in Ophthalmology. 2015. Gene- and Cell-Based Treatment Strategies for the Eye Pages 1-8. Gene Therapy and Stem Cell Therapy: Overview. **Stem cell treatment of degenerative eye disease - NCBI - NIH** Gene-replacement therapy has been shown to improve visual function in The field of stem cell-based therapy holds great potential for the treatment of retinal strategies are those suffering from currently incurable eye diseases such as The etiology is attributed primarily to RPE cells (playing an essential role for **An eye for discovery - NCBI - NIH** Chapter. Gene- and Cell-Based Treatment Strategies for the Eye. 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