



## Cataract Surgery: Recent Research and Future Trend

Guest Editors:

### Dr. Jin Yang

Department of Ophthalmology,  
Eye and ENT Hospital, Fudan  
University, Shanghai 200438,  
China

### Dr. Xu Chen

1. Department of Ophthalmology  
& Optometry, Sino United Health  
Clinics, Shanghai 200336, China  
2. Department of  
Ophthalmology, Shanghai Aier  
Eye Hospital, Shanghai 200336,  
China.  
3. Aier School of Ophthalmology,  
Central South University, 506624  
Changsha, China

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### Message from the Guest Editors

Advances in ophthalmologic surgical approaches such as femtosecond laser-assisted cataract surgery (FLACS) and the developments of optical design and material technology in intraocular lenses led to successfully correcting presbyopia, astigmatism and other refractive errors through the cataract or lens exchange surgery. Even if a skilled surgeon provides these premium IOLs and perfect procedures, there are also the risks of patient dissatisfaction after the surgery.

However, the selection and efficacy of functional IOL implantation in presbyopic eyes remain confusing for many surgeons. In addition to so-called premium IOLs, there are various types of functional IOLs of different manufacturers, each with its own advantages and disadvantages. Therefore, clinical experience and long-term data are very important.

This research topic aims at collecting high-quality publications on this subject from all over the world, to obtain a good overview of various modern IOLs and their optical principles with advantages and disadvantages, such as contrast sensitivity, aberrations, photic phenomena, etc.

Dr. Jin Yang  
Dr. Xu Chen  
*Guest Editors*





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### Prof. Dr. David Alan Rizzieri

1. Novant Health Cancer  
Institute, Winston-Salem, NC  
27103, USA  
2. Division of Hematologic  
Malignancies and Cellular  
Therapy, Duke University,  
Durham, NC 27710, USA

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*Journal of Personalized Medicine*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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