



New Strategies to Treat Corneal Endothelial Diseases: Cell Therapy, Bioengineering of Corneal Grafts and Pharmacological Treatment

Guest Editors:

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Deadline for manuscript
submissions:

closed (31 May 2024)

Message from the Guest Editors

This Special Issue will focus on recent developments in the three strategies for the treatment of endothelial dystrophy: cell therapy, bioengineering of corneal grafts and pharmacological treatment.

The journal will be accepting contributions (both original articles and reviews) mainly centered on the following topics:

- Progress in primary cell culture of corneal endothelial cells (CECs) and in differentiation methods based on other types of stem cells or iPS;
- Bioengineering of endothelial grafts (realistic new material and/or process);
- Advances in pharmacological treatment, gene therapy and any new strategies/procedures for the treatment of FECD or endothelial dystrophy;
- Any clinical cases of the application of the three strategies;
- Any significant progress for supporting the development of the three strategies and their industrialization, such as ex vivo or in vitro models/tools for validation of the functionality of cultured CECs or of bioengineered endothelial grafts, and methods for the preservation of the human corneas, cultured cells and bioengineered endothelial grafts for industrialization;





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Message from the Editor-in-Chief

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