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## Limbal Stem Cell Biology and Contribution to Cornea Homeostasis

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Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editor

Corneal epithelium is replenished by a population of limbal epithelial stem cells (LESCs). In recent years, LES C transplantation has offered a therapeutic option, which helps successfully restore cornea morphology, transparency and visual acuity.

This Special Issue aims to highlight what we currently know on the role of LES Cs in cornea stability, with a special focus on how they impact on corneal immune and angiogenic privilege, the signaling mechanisms involved in their own maintenance within the niche micro milieu, as well as their transition to the fast-replicating transient amplifying and fully differentiated corneal epithelial cells, and the curative effect on the corneal epithelial tissue upon transplantation.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- The role of LES C in corneal epithelial morphogenesis;
- LES C polarity and mechanisms of differentiation;
- LES C cross-talk with other cell types in the niche;
- LES Cs and cornea immune privilege;
- The role of LES Cs in cornea avascularity;
- The restorative effect of LES C transplantation.

We look forward to receiving your contributions



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**Special** Issue



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## Message from the Editorial Board

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