Neuroprotective Strategies for Dry Eye Disease

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2022)

Message from the Guest Editor

Dear Colleagues,

Dry eye is defined as the "multifactorial of the ocular surface characterized by a loss of homeostasis of the tear film instability and hyperosmolarity, ocular surface inflammation and damage, and neurosensory abnormalities play etiological roles". Much interest has centered around dry eye disease in the past few years, and it is estimated that over 16 million adults in the USA alone suffer from dry eye disease. Neurotrophic factors are secreted by abundant nerve fibers, which are important for the maintenance and repair of cornea. In recent decades, the role of neuropeptides has been elucidated in the pathophysiology of diseases. It is considered that decreased corneal nerve fiber density after corneal injury contributes to the delayed repair effect because of the loss of trophic influences.

In this Special Issue of Healthcare, we are seeking articles that provide new insights into the understanding of the neurochemistry, trophic factors and therapeutic potential for treatments including molecular and cellular mechanisms involved in the initiation and perpetuation of inflammation.

Special Issue

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Message from the Editor-in-Chief

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