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Retinal Degeneration: From Pathophysiology to Therapeutic Approaches

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editor

Dear Colleagues,

A first retinal gene therapy medicine has recently been approved by regulatory agencies and other studies are ongoing in the clinic, but there are many more retinal disease genes without an available medicine. The retina is well accessible for gene therapy and transplantation of retinal cells. Neural retina and retinal pigment epithelium (RPE) can be generated from induced pluripotent stem cells (hiPSC) and used for pre-clinical studies.

This issue of the International Journal of Molecular Sciences will focus on recent insight in “Retinal Degeneration: From Pathophysiology to Therapeutic Approach”, including new insights into the hereditary disease, human and animal retinal pathology due to gene mutations, retinal inflammation, retinal gene therapy, hiPSC-derived neural retina and RPE, pre-clinical gene therapy, animal models for hereditary retinal dystrophy, retinal imaging, and submissions dealing with these topics are welcome.

Assoc. Prof. Dr. Jan Wijnholds
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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