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Molecular and Cellular Basis of Macular Degenerations

Guest Editor:

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Deadline for manuscript submissions:

closed (15 December 2020)

Message from the Guest Editor

Dear Colleagues,

The macula at the center of the retina of primates contains the fovea in its middle, an area where cone photoreceptors are highly concentrated, with exclusion of the rod. Daylight vision, color perception, and visual acuity are mediated by the function of cones. Any affection of the macula leads to central vision impairment. Macular degenerations are multiple and encompass a large number of rare, inherited diseases and a very common form of aging disease—age-related macular degeneration. Other maculopathies linked to different conditions also contribute to vision loss.

This Special Issue will focus on recent studies of this complex group of diseases and highlight the current knowledge in the field regarding these diseases' underlying molecular and cellular mechanisms. We hope that the combination of original papers and focused reviews will provide a useful resource for all the scientific community.

Dr. Thierry Leveillard
Guest Editor



mdpi.com/si/36872

Special Issue



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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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